Return

PARTS MANUAL

Shampaine®
4900B/4900E
Surgical Table

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GETINGE Castle

PARTS CATALOG 350390 (9/23/93)

Related Manuals:

Operator Manual	350388
Installation Manual	350387
Service Manual	350389

ORDERING INFORMATION

The replacement parts in this catalog may be ordered from your Getinge/Castle, Inc. Representative or you may call one of the 800 phone numbers listed at the back of the manual.

All parts replaced under warranty shall be returned intact to Getinge/Castle, Inc.

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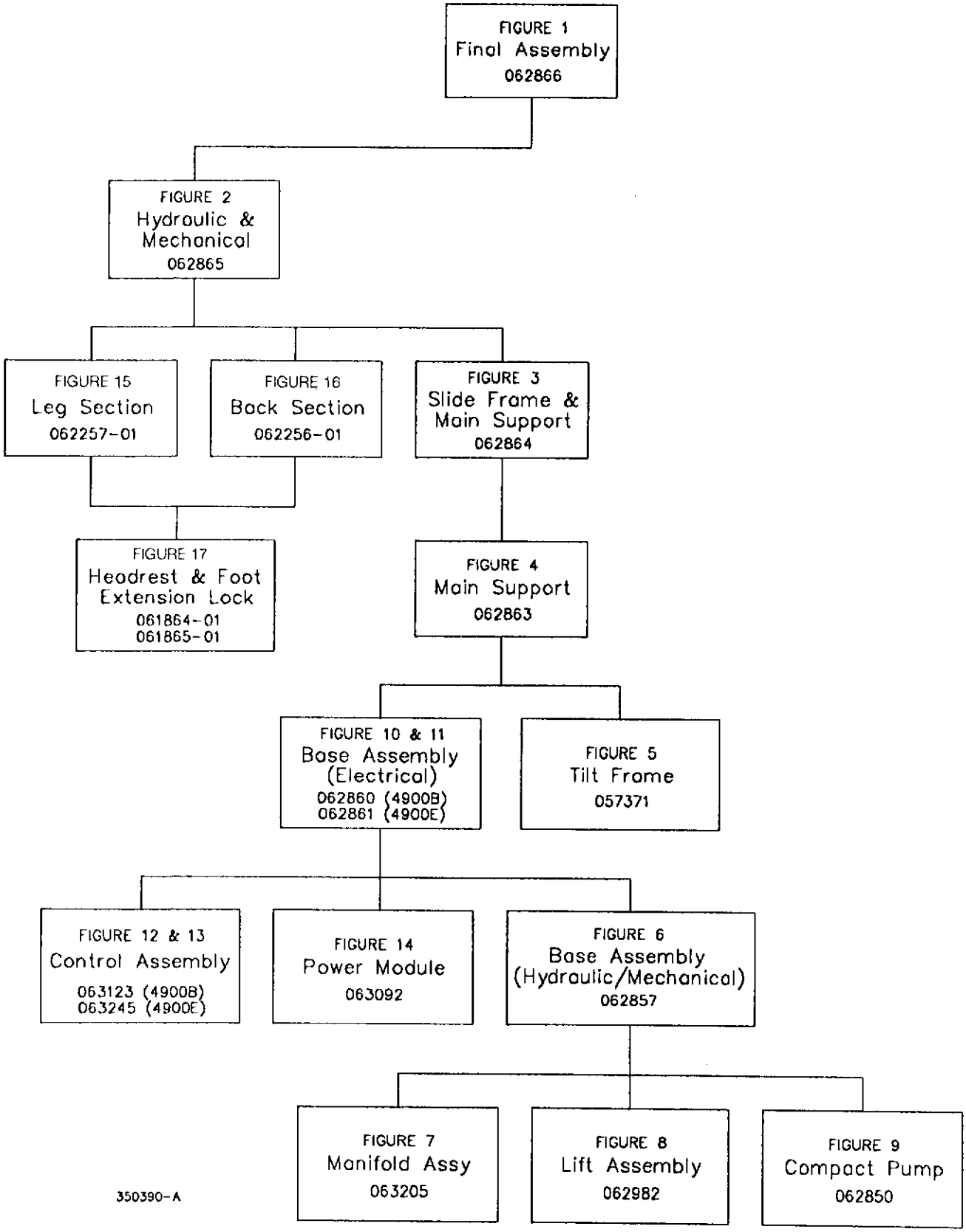
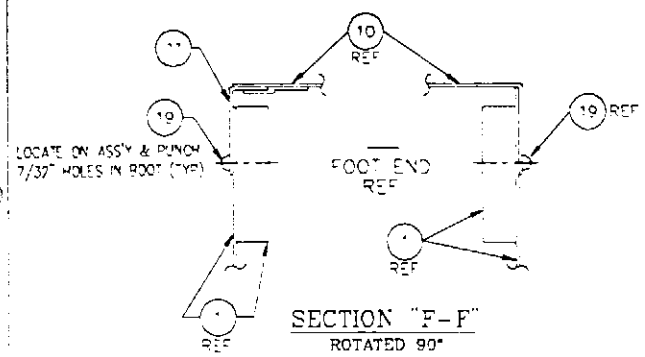


TABLE ASSEMBLY DRAWINGS STRUCTURE

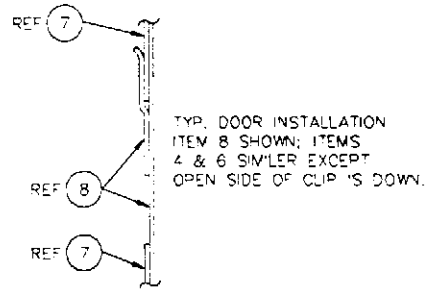
Recommended Spare Parts List

QTY	PART NO.	DESCRIPTION
1	S-1574-A	Board, Arm
2	S-1579-SRC	Clamp, Side Rail
2	S-1579-CSC	Clamp, Side Rail (Removable)
1	A-059658	Holder, Pendant
1	A-053213	Holder, X-Ray Cassette
1	A-032384	Hydraulic Fluid (Shampaine)
1	S-1576-P2	Pad, 2" (for Arm Board S-1574-A)
1	A-062210	Pad, Headrest *
1	A-055601	Pad, Leg Section *
1	A-055702	Pad, Leg Extension *
1	A-062208	Pad, Seat/Back Section *
1	A-062008	Pendant, Control
1	A-062201	Socket, Anesthesia Screen
2	A-062206	Socket, Foot Step

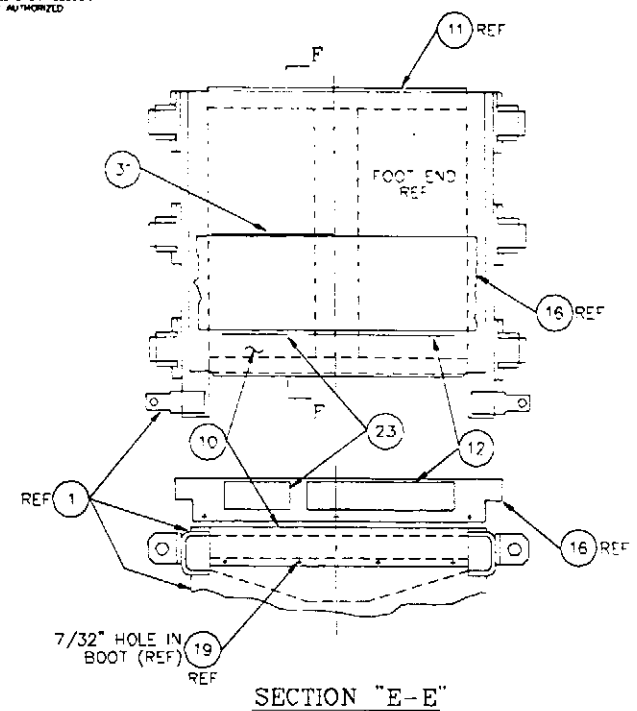
DRAWING/PART NO. 062866-□ THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.



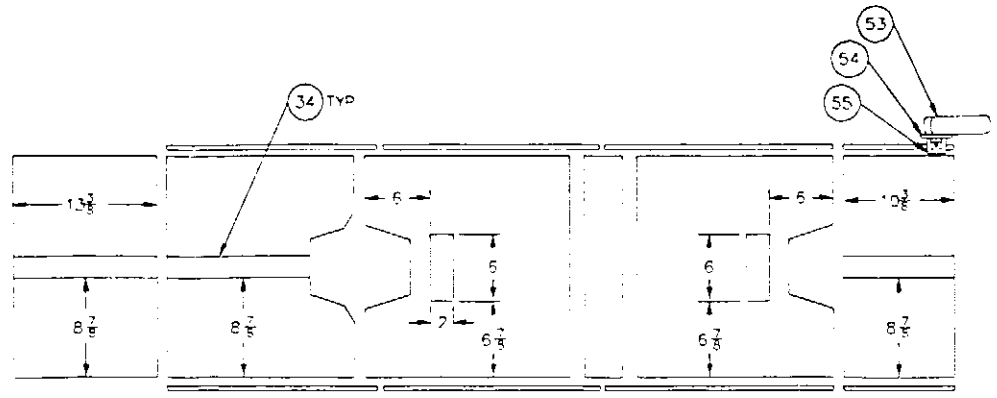
SECTION "F-F"
ROTATED 90°



DETAIL "D-D"



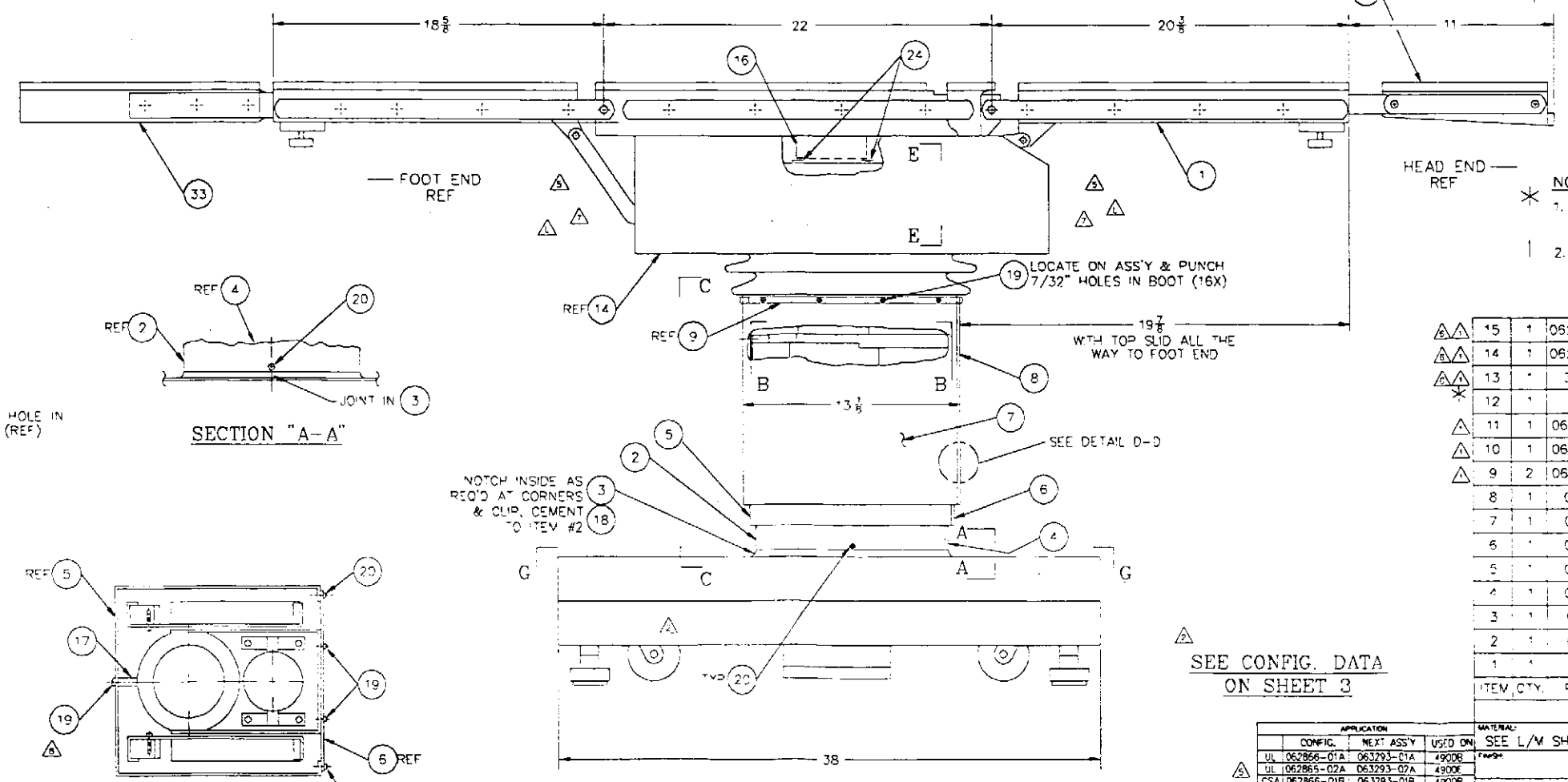
SECTION "E-E"

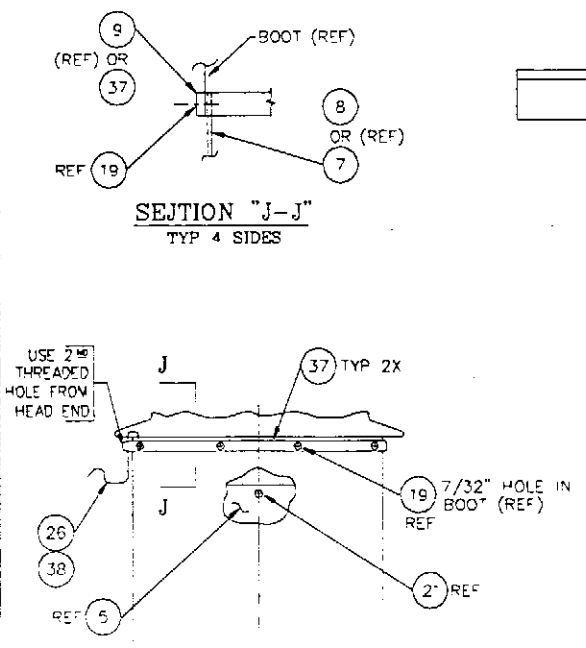


	CONFIG.	ITEM NO.	PART NO.	MODEL
△2	UL 062866-01A	1	062865-01A	4900B
△2	UL 062866-01A	12	063229-02	4900B
△2	CSA 062866-01B	1	062865-01B	4900B
△2	CSA 062866-01B	12	063229-01	4900B
△2	UL 062866-02A	1	062865-02A	4900E
△2	UL 062866-02A	12	063254-02	4900E
	CSA 062866-02B	1	062865-02B	4900E
	CSA 062866-02B	12	063254-01	4900E
	ALM 062865-01A-ALM	1	062865-01A	ST004
	ALM 062865-01A-ALM	12	302764	ST004
△4	ALM 062866-02A-ALM	1	062865-02A	ST004E
	ALM 062866-02A-ALM	12	302764	ST004E

△2 ✳✳ SEE SHT. 3 FOR ITEM 12 DASH NUMBERS (NAMEPLATES)

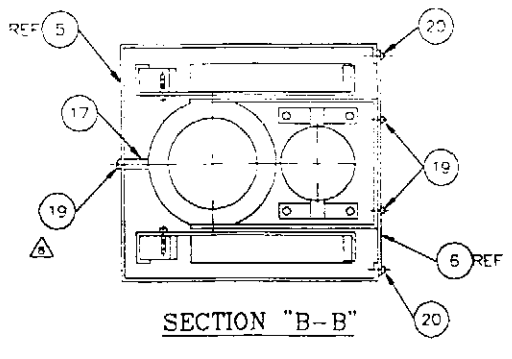
SEJTION "J-J"
TYP 4 SIDES


FOOT END REF
HEAD END REF
LOCATE ON ASS'Y & PUNCH 7/32" HOLES IN BOOT (16X)
WITH TOP SLID ALL THE WAY TO FOOT END
SEE DETAIL D-D
NOTCH INSIDE AS REQ'D AT CORNERS & CLIP CEMENT TO ITEM #2
SEE CONFIG. DATA ON SHEET 3



SECTION "C-C"

SECTION "A-A"



SECTION "B-B"

NOTES:
1. TYPE IN SERIAL NO. PER G/C CHART DWG #061290 PLUS MODEL NO. AND DATE.
2. -03 CONFIG. REQUIRED FOR USE WITH K.E. PLUG/SEAL (#053417) & MATING K.E. SUPPORTS (#063420 & 063421).

(LIST OF MATL. CONT'D ON SHEET 2)

ITEM	QTY.	PART #	DESCRIPTION
△△ 15	1	062290-03	RIGHT OUTSIDE SHIELD ASS'Y (SEE NOTE #2 !)
△△ 14	1	062289-03	LEFT OUTSIDE SHIELD ASS'Y (SEE NOTE #2 !)
△△ 13	*	302676	ASS'Y, HEAD SECT.
✳ 12	*	⬢	NAMEPLATE
△ 11	1	062898-01	ANGLE, TILT FRAM COVER
△ 10	1	062897-01	WELD ASS'Y, TILT FRAM COVER
△ 9	2	062284-01	RETAINER STRIP, BOOT (SIDES)
8	1	062243	DOOR ASS'Y, OUTER COLUMN
7	1	062239	FAIRING, OUTER COLUMN
6	*	062245	DOOR ASS'Y, INTERMED. COLUMN
5	*	062240	FAIRING, INTERMED. COLUMN
4	1	062247	DOOR ASS'Y, INNER COLUMN
3	1	037851	COVE, BASE
2	1	062241	FAIRING, INNER COLUMN
1	*	⬢	INSTALLATION, HYD. & MECH. COMPS.

LIST OF MATERIALS

△2

APPLICATION CONFIG.	NEXT ASS'Y	USED ON
UL 062866-01A	063293-01A	4900B
UL 062866-02A	063293-02A	4900E
CSA 062866-01B	063293-01B	4900B
CSA 062866-02B	063293-02B	4900E

MATERIAL: SEE L/M SHT. 1 & 2
FINISH:
DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.030; THREE DECIMAL PLACES ±.005; ANGLES 00'±0°; ALL HOLES ±.005; FRACTIONS 1/32
DRAWN BY MDT 1/14/91
APPROVED
APPROVED
CAD DWG NAME 062866D1
WEIGHT: TABLE/4900B/E
SHEET 1 of 3
REFERENCE DRAWINGS
SCALE: NONE

Getinge/Castle, Inc.

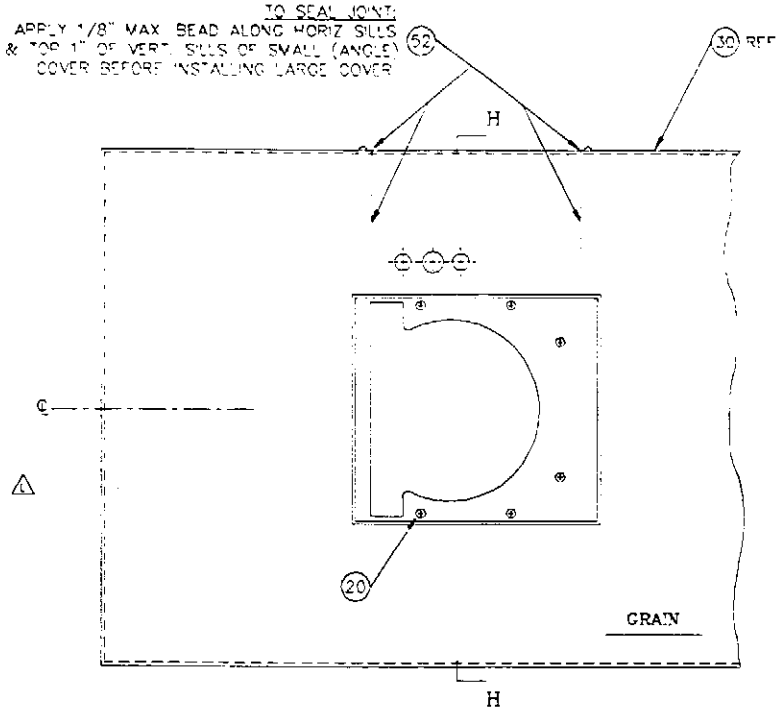
TITLE: ASSEMBLY - FINAL MODLES & 4900B & 4900E
SIZE D
DRAWING/PART NO. 062866-□
REV. N

FOR REV'S. SEE SHEET 2					
SYM	ECO#	DATE	NAME	REVISIONS	MASTER

Figure 1 #062866 1 of 3

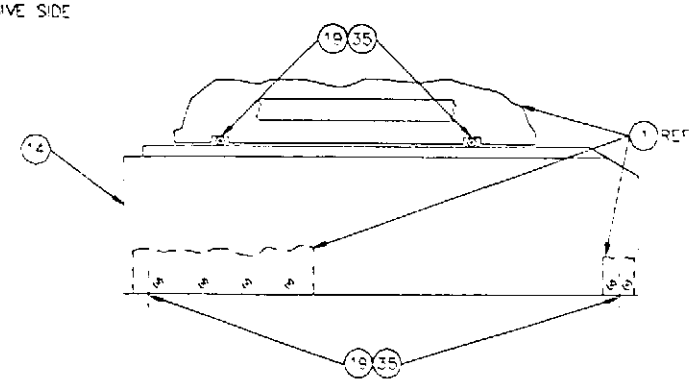
DRAWING/PART NO. 062866-□ | THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.

△6 TO SEAL JOINT: APPLY 1/8" MAX BEAD ALONG HORIZ SILLS & TOP 1" OF VERT. SILLS OF SMALL (ANGLE) COVER BEFORE INSTALLING LARGE COVER

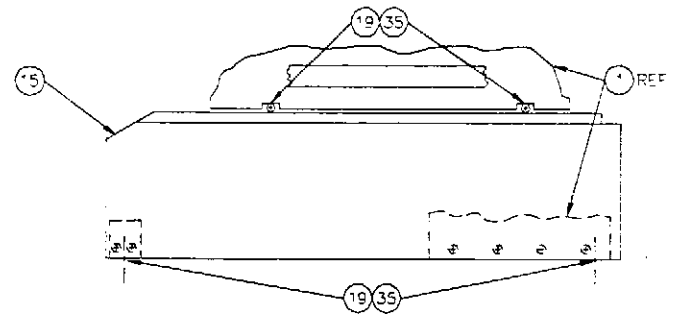


SECTION "G-G"

△6 APPLY ITEM #46 AGAINTS INSIDE SURFACE & CENTER AS SHOWN, WITH ADHESIVE SIDE AGAINST METAL.

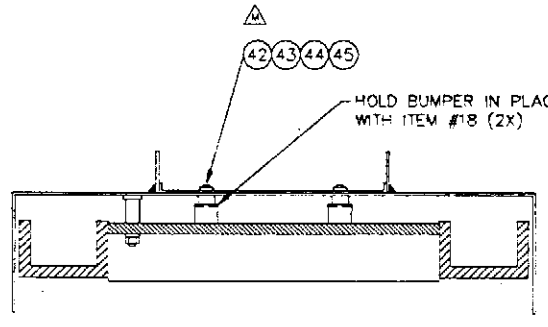


OUTER SHIELD ATTACH (L.H.)

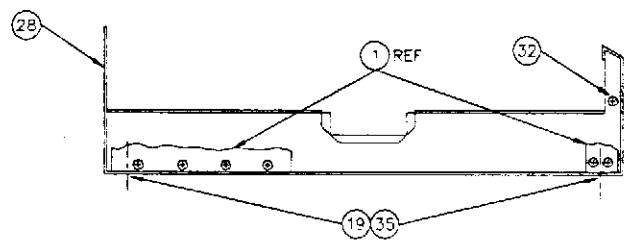


OUTER SHIELD ATTACH (R.H.)

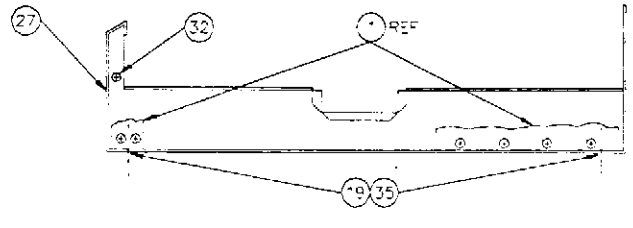
△4 △5 △6 HOLD BUMPER IN PLACE WITH ITEM #18 (2X)



SECTION "H-H"
ROTATED 90°



INSIDE SHIELD ATTACH (L.H.)



INSIDE SHIELD ATTACH (R.H.)

SYM	ECO#	DATE	NAME	REVISIONS
N	20831	4/13/99	MAB	DWG. P/N SHT. 3 063224 WAS 063221 WAS 063216-01
V	20745	12/3/98	MAB	CHG. #43 TO SST; NAME CHANGED
L	20688	8/20/98	MAB	REMV. #56 FROM L/M & BODY OF DWG.
K	20611	8/1/98	MAB	ADDED #57 & #58; ADDED A/M TAB
J	20457	5/22/98	MAB	#19 QTY. WAS 24; P/N WAS 105666-01; #24 P/N WAS 105116-04; DEL. #39 & #48
H	20396	5/1/98	MAB	#13 P/N WAS 061836-01; REMV. #29
G	20005	2/20/95	JDW	REMOVED #21; CHG. #17
F	16170	1/1/94	LMB	#56 NOW REF; ADDED NOTE
E	16105	4/1/94	MOT	ADDED SEALANT #52
D	16007	11/8/93	MOT	SEE ECO
C	16034	9/31/93	MOT	#51 WAS TBD
B	15916			
A	15887	7/31/93	MOT	ADD #49, #50, #51 & NOTE
1	15814	1/15/93	CF	SEE ECO

MASTER

062008-□
△6 062008-6 = STANDARD 36" CORD GETINGE/CASTLE LABELS.
△4 062008-4 = OPTIONAL 24" CORD.
△7 062008-7 = STANDARD 37" CORD ALV LABELS.

△ ⊖ 1. FOR 4900E: SEE 062861 FOR LOCATIONS ON TABLE
△ ! 2. FOR 4900B: SEE 062860 FOR LOCATIONS ON TABLE
△ ⊗ 3. USE IF REQUIRED, SEE SHT. 3. (REVOVE & RETURN TO STOCK PARTS REPLACED)

(LIST OF MATL. CONT'D FROM SHEET 1)

ITEM	QTY.	PART #	DESCRIPTION
△⊖ 58	1	063352-ALV	LABEL PKG., ST004E (ALV LABELS)
△ ! 57	1	063351-ALV	LABEL PKG., ST004 (ALV LABELS)
△△△ ~~56~~	REF	~~063368~~	~~LABEL, SEE ACC. DOC. (PINCH POINTS)~~
55	1	062206	SIDE RAIL CLAMP
54	1	059658	PENDANT, HOLDER
△ 53	1	062008-□	PENDANT, ASS'Y
△6 52	AS REQ'D	063464	RTV SEALANE (PERMATEX BLUE #6B OR EQUIV)
△△⊗ 51	1	063372	CORD, RETAINER CLIP
△⊗ 50	1	063253	POWER CORD SET, INTERNATIONAL
△⊗ 49	2	063118-01	FUSE, 2AMP
△6 ~~48~~	AS REQ'D	~~038434~~	~~ADHESIVE~~
△⊖ 47	1	063354	LABEL PKG., 4900E, INTERNATIONAL
△ ! 46	1	063353	LABEL PKG., 4900B, INTERNATIONAL
45	6	*04352	LOCKWASHER, #10 INT.
44	2	100913	FLAT WASHER
△4 43	2	032060	SCREW, MACH. TRUSS HD. PHPS. #10-32 x 3/4"LG. SST.
42	2	033727	RUBBER BUMPER
△⊖ 41	1	063352	LABEL PKG., 4900E, DOMESTIC
△ ! 40	1	063351	LABEL PKG., 4900B, DOMESTIC
△△ ~~39~~	~~1~~	~~105666~~	~~SCREW, MACH. TRUSS HD. PHPS. #10-32 x 3/8LG.~~
38	1	106520-01	SCREW, MACH. TRUSS HD. PHPS. #10-32 x 1/2" SST/BLK OX
△ 37	2	062285-01	RETAINER STRIP, BOOT (HD/FOOT)
△ 36			
35	8	032814	LOCK WASHER #10
34	AS REQ'D	053435	2" VELCRO HOOK TAPE x.065 (PRESSURE SENSITIVE)
△ 33	1	055703	X-RAY LEG EXTENSION
32	2	050982	SCREW, MACH. PAN HD. SLOT, #10-32 x 1/4"
△ 31	1	063158	DECAL, PATENT NUMBERS
30	REF	062684	ASS'Y, BASE COVER
△△ ~~29~~	~~1~~	~~063161~~	~~LABEL~~
28	1	062235	LEFT INSIDE SHIELD
27	1	062234	RIGHT INSIDE SHIELD
△ 26	1	061132	CLIP, CORD
△ 25			
△ 24	6	105116	SCREW, MACH., RD., HD., PHPS. #10-32 x 3/8"
23	1	062343	LABEL, DHHS COMPLIANCE, PRESS. SENSITIVE
22			
△6 21			
20	12	104152	SCREW, SELF TAPPING PAN HD PHPS. #8-32 x 3/8" TYPE F
△ 19	38	105666	SCREW, MACH., TRUSS HD., PHPS. #10-32 x 3/8"
18	AS REQ'D	038434	ADHESIVE, CLEAR VINYL
△6 17	1	063475-01	BUSHING, SPACER
△ 16	1	053386-02	FAIRING - LATERAL

LIST OF MATERIALS

APPLICATION	MATERIAL: SEE L/M SHT. 1 & 2	DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY MOT 1-14-97
△2 NEXT ASS'Y	FINISH:	TWO DECIMAL PLACES ±.010	APPROVED
△3 SEE SHT. 1		THREE DECIMAL PLACES ±.005	APPROVED
		ANGLES 10-1/2°	
		ALL HOLES .005	
		FRACTIONS 1/32	DWG./PART NUMBER 062866D2
		PRODUCT TABLES	SHEET 2 OF 3
		REFERENCE DRAWINGS	SCALE NONE

Getinge/Castle, Inc.

TITLE ASSEMBLY - FINAL, MODEL 4900B & 4900E | SIZE D | DRAWING/PART NO. 062866-□ | REV. N

SHT. 1 IS "D" SIZE
SHT. 3 IS "B" SIZE

Figure 1 #062866 2 of 3

DRAWING/PART NO. 062866
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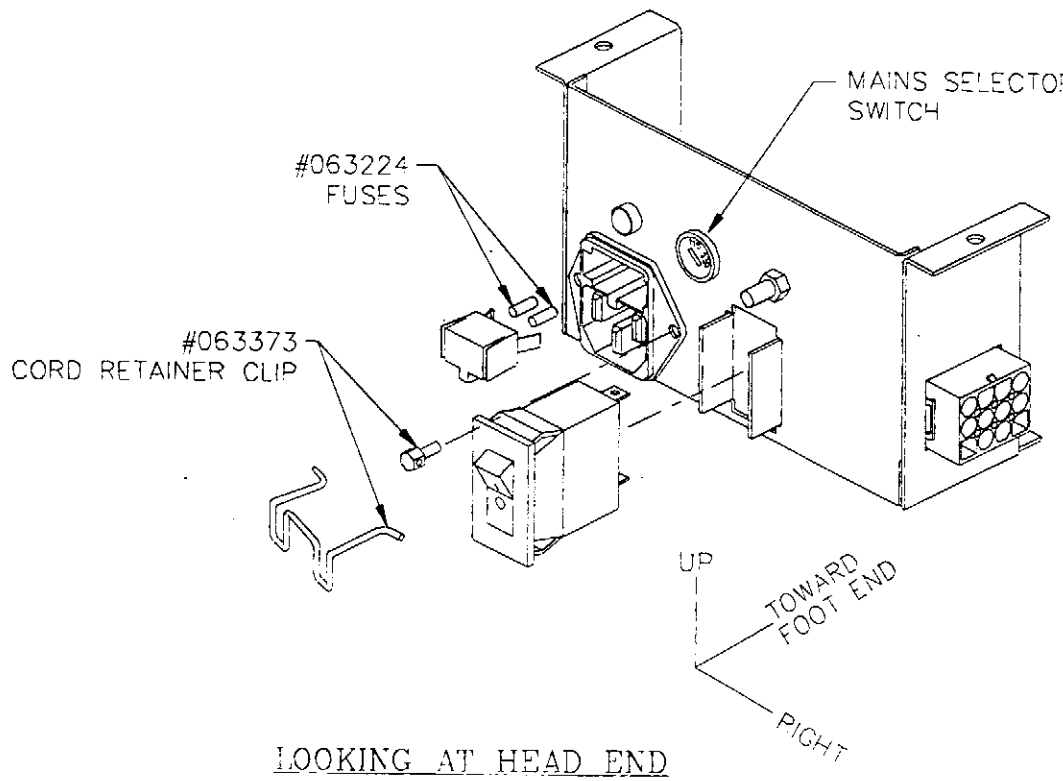
115V: MAINS VOLTAGE SELECTOR POSITION: 115
TWO FUSES ARE 4 AMP. #063224.

230V: MAINS VOLTAGE SELECTOR POSITION: 230
REMOVE 4 AMP. FUSES #063224 AND INSTALL TWO 2 AMP. FUSES #063223.

△4 DOMESTIC POWER CORD SET IS #063089 WITH CORD RETAINER CLIP #063373.

△4 INTERNATIONAL POWER CORD SET REMOVE #063089 CORD AND #063373 CLIP; INSTALL CORD #063253 AND CLIP #063372.



LOOKING AT HEAD END OF BASE

1. BASIC DESIGNATION:
062866-01 IS 4900B
062866-02 IS 4900E

△5 SEE CONFIGURATION CHART, SHEET 1, FOR BASIC PART NUMBERS OF ITEM 12 NAMEPLATES.

2. 062866-01 (WITHOUT LETTER) INDICATES ST. LOUIS ASSEMBLY, 4900B PILOT RUN TABLE, 115V, DOMESTIC CORD CONFIGURATION. ITEM 12: 063229-03.

△K 3. ADDED LETTER (i.e. 062866-01A) DESIGNATES CHARLESTON ASSEMBLY. A-ALM=115V, UL RECOGNITION AND DOMESTIC CORD CONFIGURATION, ALM ITEM 12: 302764.
A= 115V, UL RECOGNITION AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX-02.
△5 B= 115V, CSA RECOGNITION, AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX-01.
△5 C= 115V, CSA RECOGNITION, AND INTERNATIONAL CORD CONFIGURATION. ITEM 12: 063XXX-01.
D= 115V, UL, CSA AND TUV RECOGNITION, AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX.
E= 115V, UL, CSA AND TUV RECOGNITION, AND INTERNATIONAL CORD CONFIGURATION. ITEM 12: 063XXX.
F= 230V, UL RECOGNITION AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX-02.
△5 G= 230V, CSA RECOGNITION, AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX-01.
△5 H= 230V, CSA RECOGNITION, AND INTERNATIONAL CORD CONFIGURATION. ITEM 12: 063XXX-01.
J= 230V, UL, CSA AND TUV RECOGNITION, AND DOMESTIC CORD CONFIGURATION. ITEM 12: 063XXX.
K= 230V, UL, CSA AND TUV RECOGNITION, AND INTERNATIONAL CORD CONFIGURATION. ITEM 12: 063XXX.

△5 4. LETTERS WILL HAVE SOME MEANING FOR 4900B AND 4900E.
EXAMPLES: 062866-01A IS 4900B; 115V; UL RECOGNIZED, WITH DOMESTIC CORD CONFIGURATION. 063229-02 NAMEPLATE.
062866-02A IS 4900E; 115V; UL RECOGNIZED, WITH DOMESTIC CORD CONFIGURATION. 063254-02 NAMEPLATE.
062866-02K IS 4900E; 230V; UL, CSA, & TUV RECOGNIZED, WITH INTERNATIONAL CORD CONFIGURATION. 063254 NAMEPLATE.

△5 5. CATALOG NUMBERS WILL BE 4900B, 4900E, THE ORDER MUST SPECIFY:
CATALOG NUMBER
115 OR 230 VOLTS
DOMESTIC OR INTERNATIONAL CORD CONFIGURATION.
FINAL DESTINATION: U.S. (UL CONFIG.), CANADA (CSA CONFIG.), OR OTHER.

FOR REV'S. SEE SHEET 2

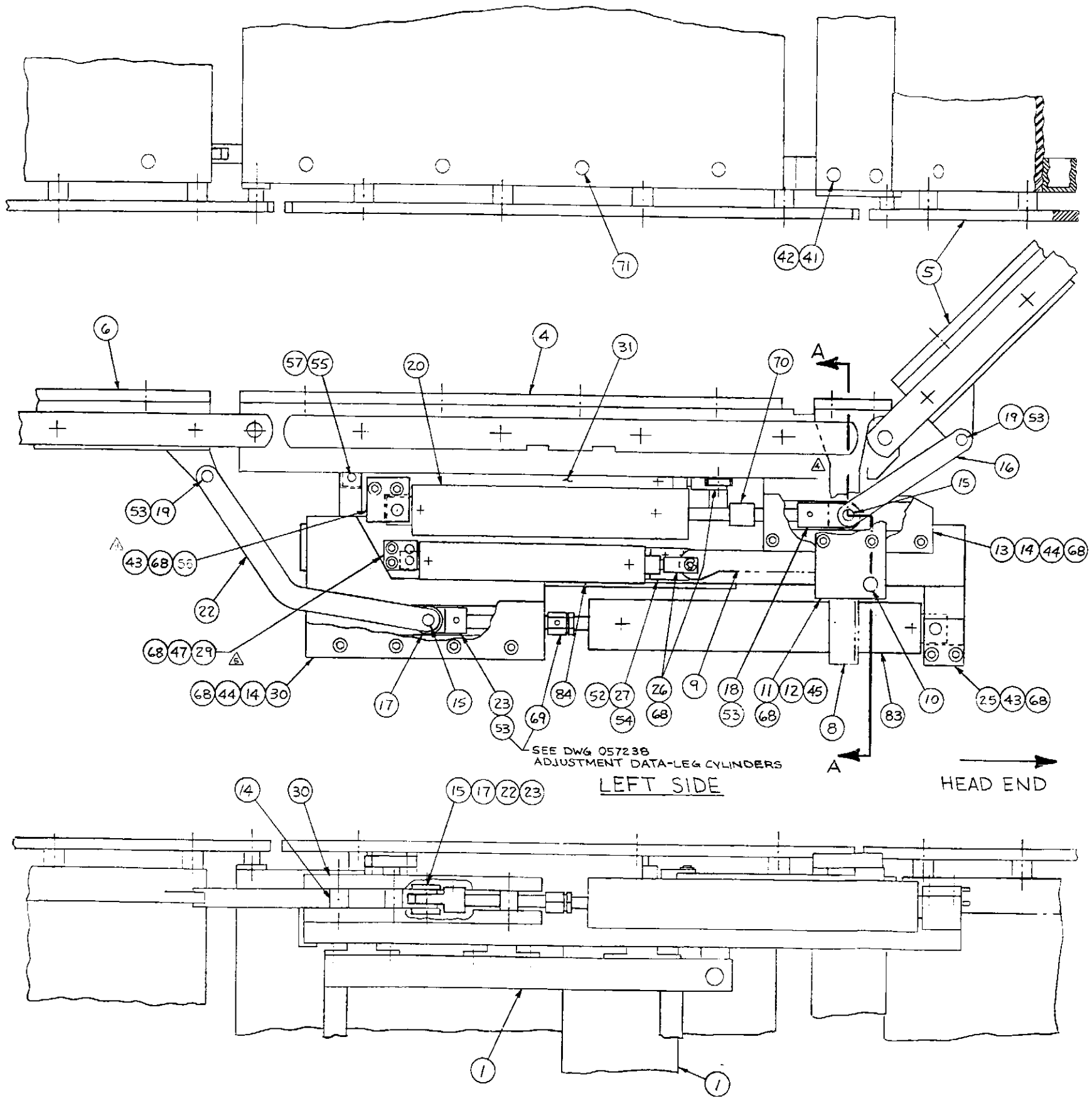
SYM	ECO#	DATE	NAME	REVISIONS	MASTER

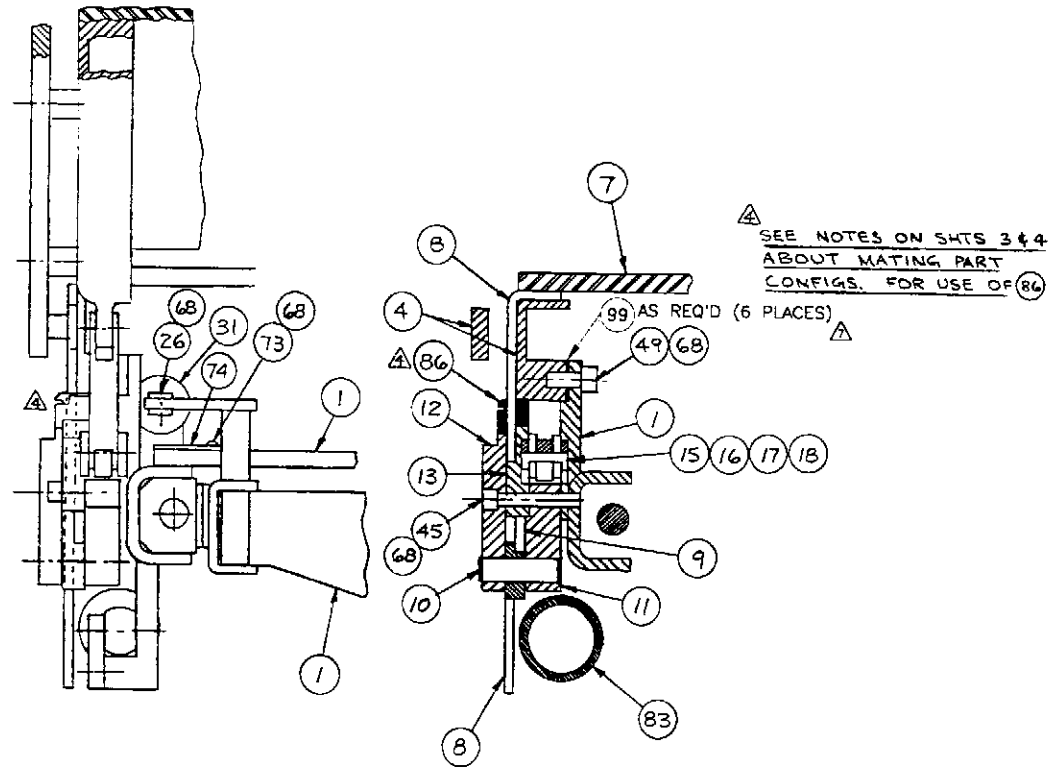
SHEETS 1 & 2 ARE "D" SIZE

APPLICATION: NEXT ASS'Y USED ON SEE SHT #'	MATERIAL: SEE L/M ON SHT. 1	DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.010; THREE DECIMAL PLACES ±.005; ANGLES ±0-1/2°; ALL HOLES ±.005; FRACTIONS ±1/32	DRAWN BY: MJT 1/14/97; APPROVED; APPROVED; CAD DWG. NAME: 06286683
	FINISH:	PRODUCT: TABLE	SHEET 3 OF 3
	Getinge/Castle, Inc.	REFERENCE DRAWINGS	SCALE: NONE
	TITLE: ASSEMBLY, FINAL 4900B & 4900E	SIZE: B	DRAWING/PART NO.: 062866
			REV.: N

Figure 1 #062866 3 of 3

REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
1	15814	SEE ECO (COLOR CHANGE TO PMS 426)	GF	11/5/92	MGT
2	15999	ADD NOTE	MGT	3/19/93	MGT
3	16043	SEE ECO	MGT	4/8/93	MGT
4	16106	ADD W&F NOTE, LATEST CONFIG OF #8	MGT	4/11/94	MGT
5	16235	REM W 96 GALLON/		8-25-94	MGT
6	P0451	ADDED #'S 87-98, ADDED DETAIL SHT 3	MAB	5/17/95	
7	20583	ADDED P/N 99 TO SHT 1 & 3	MAB	6/14/95	





SEE NOTES ON SHTS 3 & 4 ABOUT MATING PART CONFIGS. FOR USE OF (86)

SECTION A-A

NOTE: BEFORE OPERATING MOTOR/PUMP WITH LV BOX, PERFORM PUMP MOTOR CURRENT DRAW TEST PER MOP 011

ITEM No.	QTY.	PART NO.	DESCRIPTION	MATERIAL	P/N

LIST OF MATERIAL

	CONFIG.	NEXT ASSY	USED ON APPLICATION
C&A	062865-02B	062866-02B	4900E
C&A	062865-01B	062866-01B	4500B
UL	062865-02A	062866-02A	4900E
UL	062865-01A	062866-01A	4900 B

TOLERANCES, UNLESS FRACTIONS ± 1/32 ANGLES ± ½° DECIMALS .xxx ± 0.005 .xx ± 0.025 .x ± 0.010

DRAWN 1-11-91 MGT
CHKD.
ENGR.
APD.
TOOL NO.
GAGE NO.
MFG DEPT.

MATERIAL
HEAT TREAT
FINISH

Getinge/Castle, Inc.

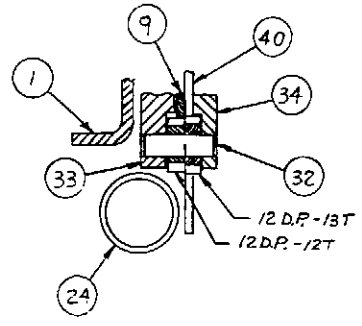
INSTALLATION-
HYD. & MECH. COMP'S.

SCALE NONE
DATE
SIZE D
DWG. 062865-□

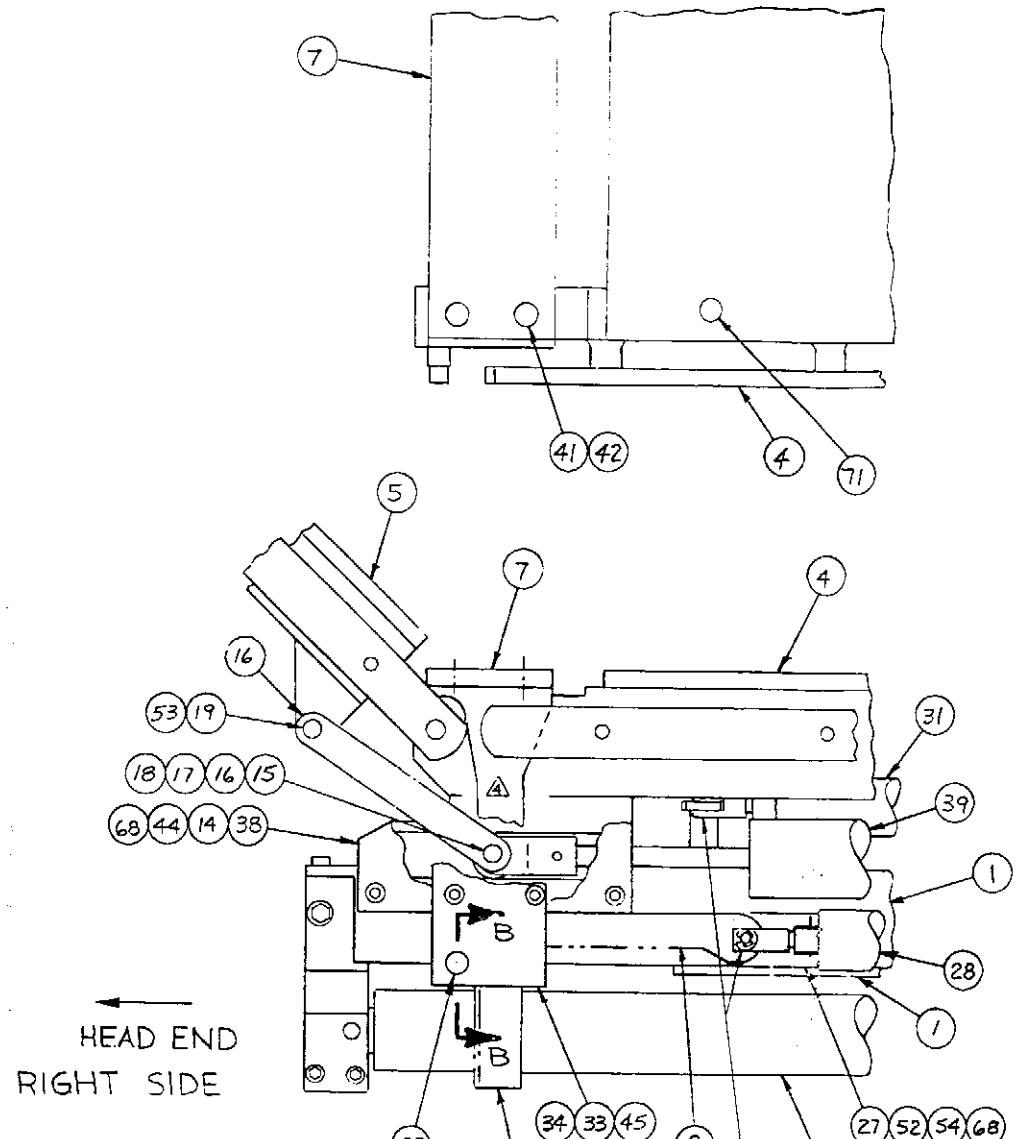
1 OF 4

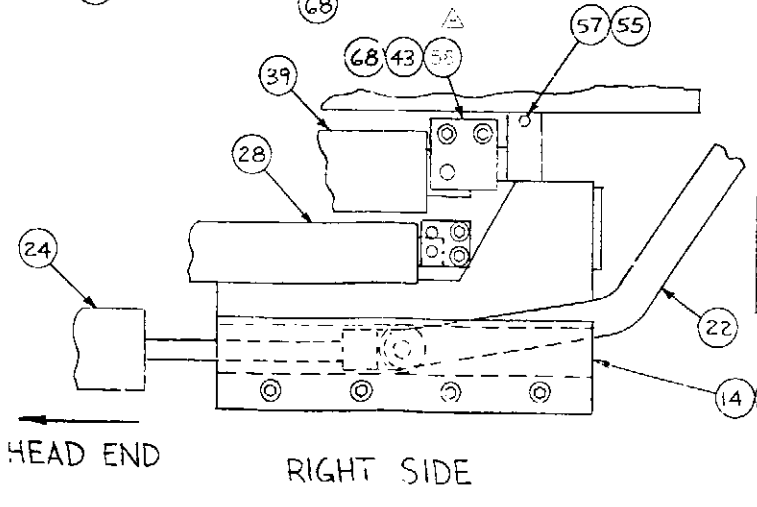
Figure 2 #062865 1 of 4

REVISION				
SYM	ECO	DESCRIPTION	BY	DATE	APP'D



SECTION B-B





CONFIG.	ITM	PART NO.	MODEL	
062865-01A	1	062864-01A	4900 B	UL
062865-02A	1	062864-02A	4900 E	UL
062865-01B	1	062864-01B	4900 B	CSA
062865-02B	1	062864-02B	4900 E	CSA

CSA	062865-02B	062866-02B	4900E	
CSA	062865-01B	062866-01B	4900B	
UL	062865-02A	062866-02A	4900 E	
UL	062865-01A	062866-01A	4900 B	
CONFIG.		NEXT ASSY.	USED ON	
		APPLICATION		

ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
57	2	100569	#10-24 ACORN NUT		
56	1	062227	BLOCK-BACK CYL. OUTER MT, LH		
55	2	053372	1/4 x 1" #10 24 SHLDR SCR		
54	4	100913	7/32 ID x 1/2 OD x 18GA FLT WASHER		
53	3	100605	#10-32 x 3/16 SET SCR. - CUP PT.		
52	4	105532	#10-32 x 1/2 LG SOC. HD. CAP SCR		
51	1	062417-02	DOOR-HOSE BOX - R.H.		
50	12	104352	#10 INT. LOCK WASHER		
49	6	053369	3/8-16 x 5/8 SOC. HD CAP SCR		
48	4	101114	#10-32 x 1 1/2 LG MACH. SCR, TRUSS HD		
47	4	100902	1/4-20 x 3/8 SOC. HD, CAP SCR.		
46	2	053382	TIE BAR - HOSE		
45	4	105538	5/16-18 x 1 3/4 SOC. HD. CAP SCR		
44	12	053367	5/16-18 x 1 1/2 SOC. HD. CAP SCR		
43	8	101182	5/16-18 x 3/4 SOC. HD. CAP SCR		
42	4	053512	#10-32 x 7/16 FLT. HD. MACH. SCR - PHPS.		
41	4	050291-01	T-NUT INSERT #10-32		
40	1	063420	K.E. SUPPORT BRKT RH		
39	1	057566	BACK CYL. 1 1/2" BORE x 6" STK		
38	1	062216-01	BACK SECT. OUTER TRACK RH		
37	2	057277	TEE - 1/8 NPT		
36					
35	8	039967	#10-32 x 3/8 LG. SOC HD. CAP SCR		
34	1	062218-01	K.E. OUTSIDE GEAR BLK RH		
33	1	053340	K.E INSIDE GEAR BLK RH		
32	1	053062	PINION SHAFT-KE RH		
31	2	063020	SLIDE CYLINDER 1/8" BORE x 8" STK		
30	2	053322-01	LEG SECT. OUTER TRACK LH		
29	2	053334	KE CYL MT OUTER BLK L & R		
28	1	062272	K.E CYLINDER 1 1/8" BORE x 4 1/8" STK RH		
27	2	053363	KE CYL SUPPORT		
26	4	050137	ROD END - KE & SLIDE		
25	2	053240	LEG CYL. MT OUTER BLK		
24	1	057567	LEG CYL. 1 1/2" BORE x 8" STK RH		
23	2	053328	ROD END - LEG		
22	2	057239	LEG LINK		
21	1	062226	BLK - BACK CYL. OUTER MOUNT RH		
20	1	057565	BACK CYL. 1 1/2" BORE x 6 STK		
19	4	053335	LINK PIN - BACK & LEG		
18	2	050166	ROD END - BACK		
17	8	050134	ROLLER - LEG & BACK		
16	2	053440	BACK LINK		
15	4	104268	ROLLER PIN - BACK & LEG LINK		
14	12	053326	TRACK SPACER		
13	1	062215-01	BACK SECT - OUTER TRACK LH		
12	1	062217-01	KE OUTSIDE GEAR BLK LH		
11	1	053343	KE INSIDE GEAR BLK LH		
10	1	053061	PINION & SHAFT, KE LH		
9	2	062219	KE HORIZ. RACK		
8	1	063421	KE SUPPORT BRKT LH		
7	1	052859-02	KE PANEL		
6	1	062257-01	LEG SECT. ASS'Y		
5	1	062256-01	BACK SECT. ASS'Y		
4	1	062248-01	SEAT SECT. ASS'Y		
3	2	057135	HOSE CLAMP - SHORT		
2	2	057134	HOSE CLAMP - LONG		
1	1		ASS'Y - SLIDE FRAME & MAIN SUPT.		

LIST OF MATERIAL

TOLERANCES, UNLESS OTHERWISE SPECIFIED: FRACTIONS ± 1/32 ANGLES ± 1° DECIMALS .XXX ± 0.005 .XX ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN 1-11-91 | CHKD | ENGR | APP'D | TOOL NO. | GAGE NO. | MFG DEPT.

Getinge/Castle, Inc.

INSTALLATION - HYD. & MECH. COMP'S.

SCALE NONE | SIZE D | DWG 062865-

DATE

SHT 2 OF 4

Figure 2 #062865 2 of 4

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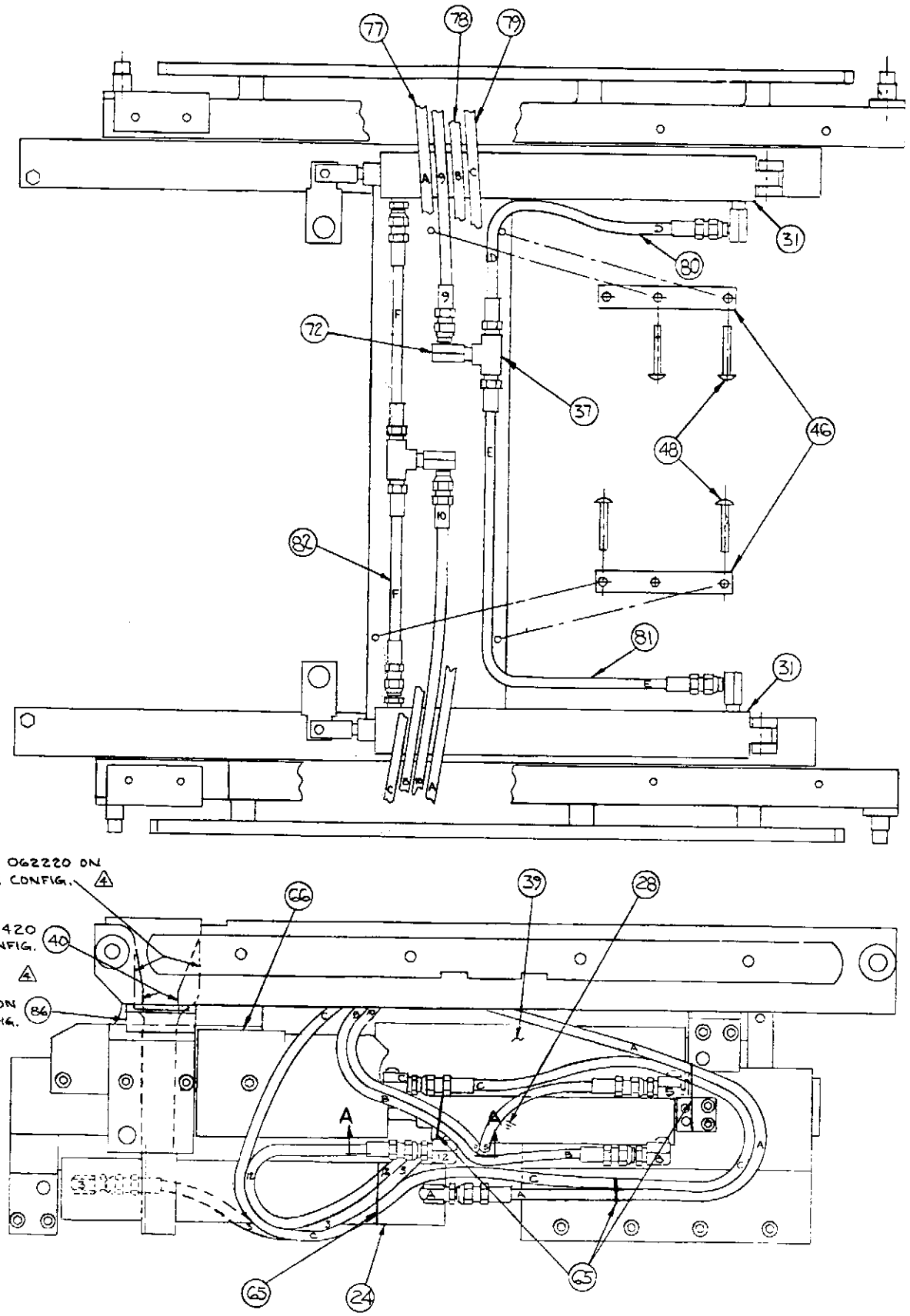
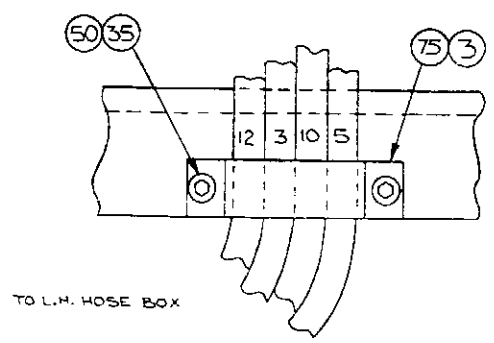
REVISION				
SYM	ECO	DESCRIPTION	BY	DATE	APP
		SEE SHEET 1 FOR REV'S.			



HYD. LINE ROUTING- RIGHT SIDE



VIEW A-A

ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
			LIST OF MATERIAL		
98	REF	352696	SHIM, SLIDE FRAME/SEAT CHANNEL		
98	REF	057673	68" LG.		
97	1	057213	93" LG.		
96	1	057212	85" LG.		
95	1	057211	55-1/2" LG.		
94	1	057210	78" LG.		
93	1	057209	87" LG.		
92	1	057208	84" LG.		
91	1	057207	88-3/4" LG.		
90	1	057206	64-1/2" LG.		
89	1	062000-07	75" LG.		
88	1	057204	81-3/4" LG.		
87	1	057203	SYNFLEX HOSE ASSEMBLY 65-1/2" LG.		
86	2	063417	PLUG-SEAL, K.E. RACK		
85	1	062417-01	DOOR-NOSE BOX, L.H.		
84	1	062273	KIDNEY ELEV. CYL. 1⅛ BORE 4⅛ STK L.H.		
83	1	057568	LEG CYL. 1½ BORE x 8" STROKE L.H.		
82	2	057290	SYNFLEX HOSE ASS'Y 6½ LG.		
81	1	057289	SYNFLEX HOSE ASS'Y 16½ LG.		
80	1	057288	SYNFLEX HOSE ASS'Y 12 LG.		
79	1	057287	SYNFLEX HOSE ASSY 56 LG.		
78	1	057286	SYNFLEX HOSE ASSY 54¼ LG.		
77	1	057285	SYNFLEX HOSE ASSY 53½ LG.		
76	2	057278	⅛ x ⅝ x 2 LG. RUBBER STRIP		
75	2	057278	⅛ x ⅝ x 1 5/16 LG. RUBBER STRIP		
74	2	056783	SHIM- SLIDE CYL.		
73	4	101046	#10-32 x ⅜ LG. RD. HD MACH. SCREW		
72	2	054333	90° SWIVEL ELBOW M/F		
71	8	062200	PLUG BUTTON		
70	1	053409	BUSHING- BACK CYL. STOP		
69	1	057237	ASSY- ADJUSTABLE STOP		
68	A.R.	051537	LOCTITE #242		
67	1	053384-01	HOSE SHIELD L.H.		
66	1	053385-01	HOSE SHIELD R.H.		
65	A.R.	035475	CABLE TIE		
64	2	100837	#8 SPRING LOCKWASHER		
63	2	103830	#8-32 x ½ LG. SLOT RD. HD MACH. SCR.		
62	1	055673	CLAMP, TUBE 5/16 DIA.		
61	16	051622	#6 x ¼ TYPE B PAN HD. SHT. METAL SCR.		
60	2	104189	¼-20 x ⅜ SLOT RD. HD. MACH. SCR.		
59	2	057139	SPACER		
58	2	057136	ANGLE		

3	SEE SHT 1		
CONFIG.	NEXT ASSY	USED ON	
APPLICATION			

TOLERANCES, U.N.O.
FRACTIONS: ± 1/32 ANGLES ± ½°
DECIMALS: .XXXX ± 0.0005 .XXX ± 0.005 .XX ± 0.010
MATERIAL
HEAT TREAT
FINISH

DRAWN	11/10/11	MGT
CHK'D.		
ENGR.		
APP'D.		
TOOL NO.		
GAGE NO.		
MFG. DEPT.		

Getinge/Castle, Inc.
INSTALLATION- HYD. & MECH. COMP'S
SCALE NONE SIZE D DWG. 062865-□
DATE
SHEET 3 OF 4

Figure 2 #062865 3 of 4

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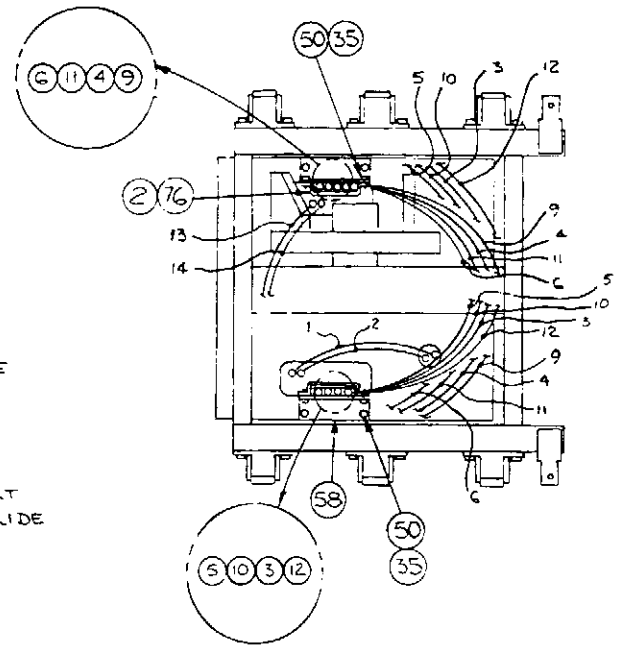
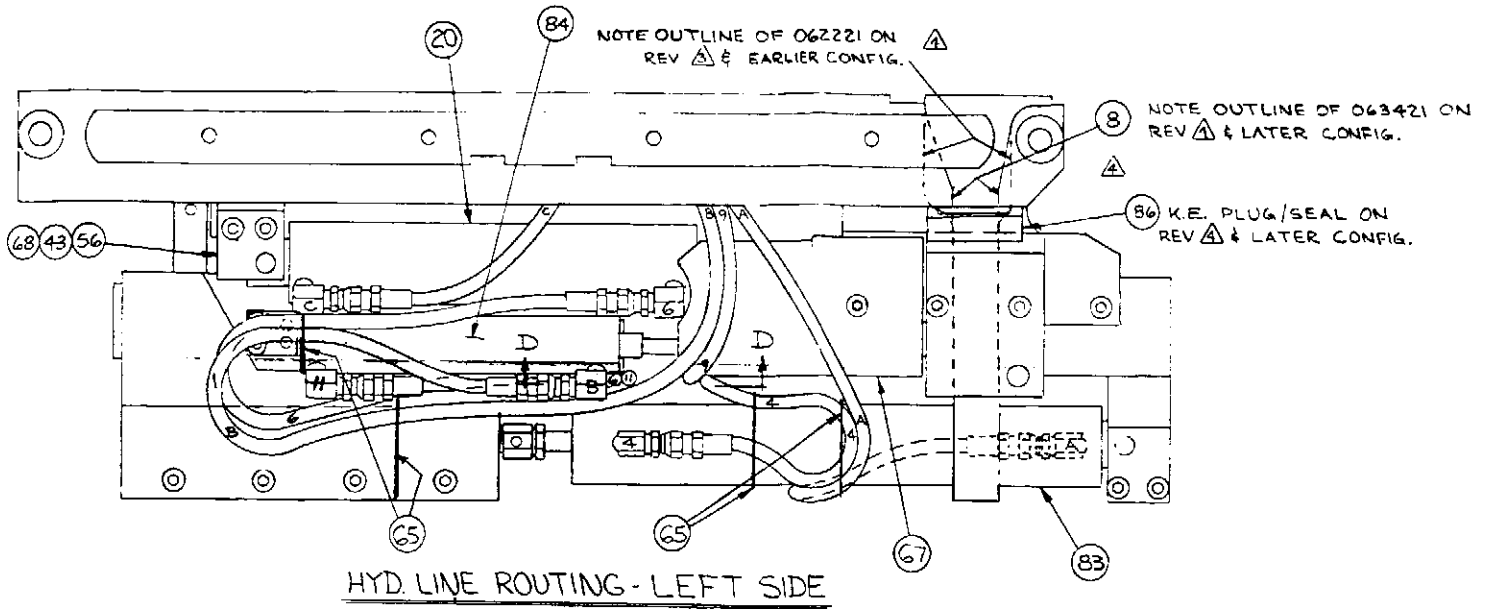
REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
SEE SHEET 1 FOR REV'S.					

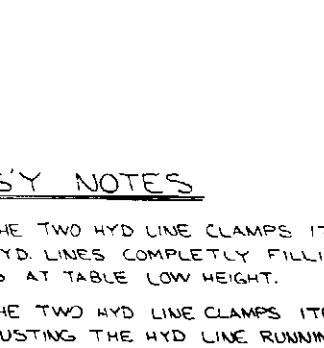
ASS'Y NOTES

1. TIGHTEN THE TWO HYD LINE CLAMPS ITEM 2 WITH THE HYD. LINES COMPLETLY FILLING THE HOSE BOXES AT TABLE LOW HEIGHT.
2. TIGHTEN THE TWO HYD LINE CLAMPS ITEM 3 AFTER ADJUSTING THE HYD LINE RUNNING OVER THE TILT BEAM SO THAT THEY ARE FREE FROM BINDING AGAINST THE TILT CYL. OR MAIN SUPPORT LUG WITH THE TABLE TOP IN FULL REVERSE SLIDE

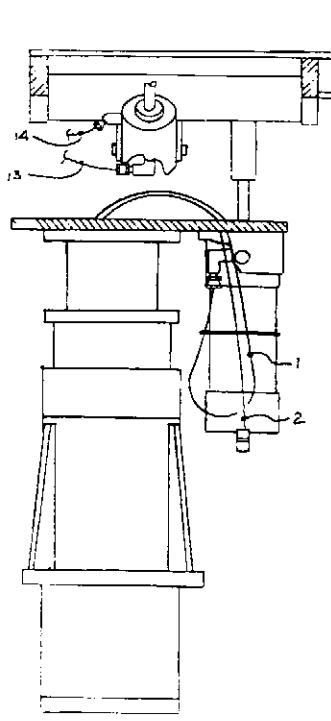




HYD. LINE ROUTING - LEFT SIDE

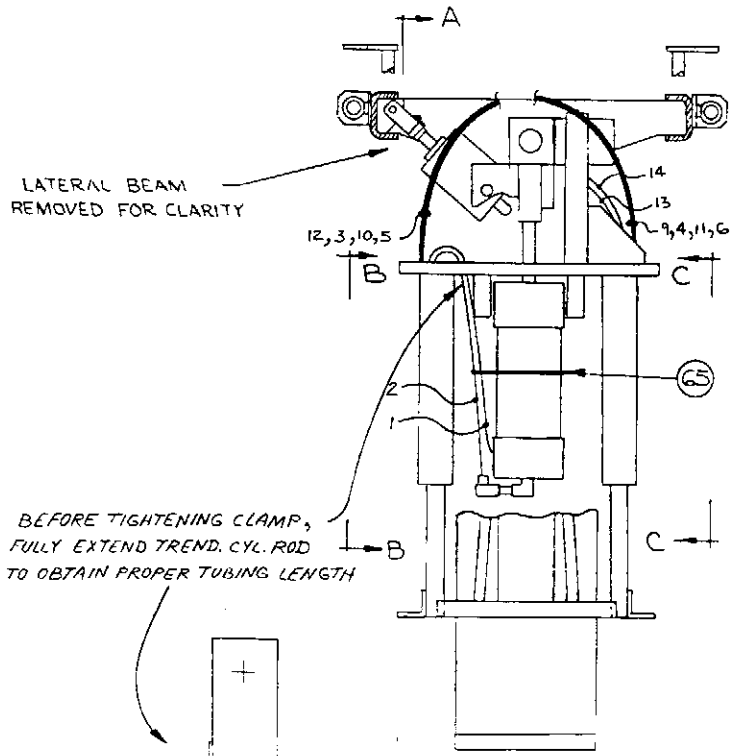


VIEW B-B L.H. HOSE BOX

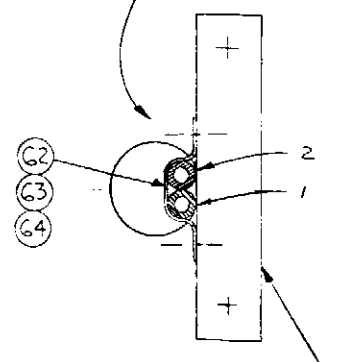


SECT. A-A LEFT SIDE

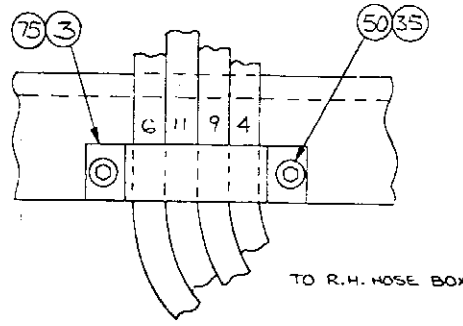
HOSE BOXES REMOVED FOR CLARITY



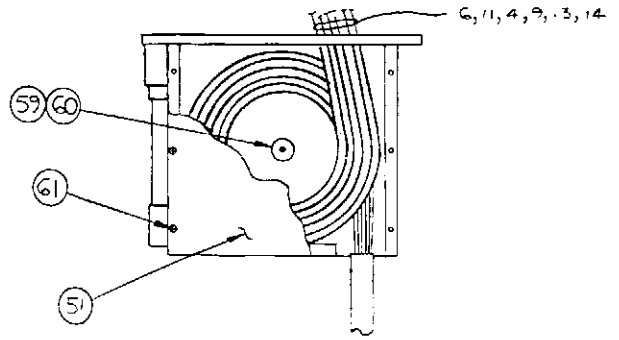
FRONT VIEW



TREND. CYL. MTG BLOCK



VIEW D-D



VIEW C-C R.H. HOSE BOX

ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
			LIST OF MATERIAL		

TOLERANCES, U.N.O.
FRACTIONS ± 1/32 ANGLES ± ½°
DECIMALS .XX ± 0.005
.XXX ± 0.005
.XX ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN 1-10-91 MQT
CHKD
ENGR
APD
TOOL NO.
GAGE NO.
MFG DEPT.

Getinge/Castle, Inc.

INSTALLATION - HYD. & MECH. COMP'S

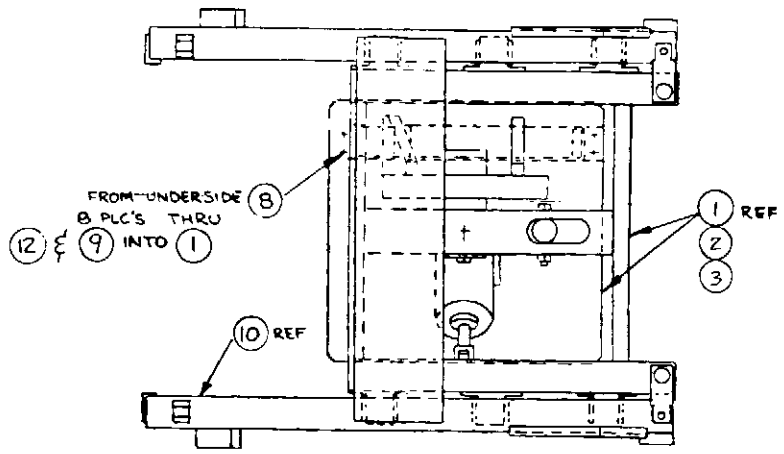
SCALE NONE
SIZE D
DWG 062865-□
DATE

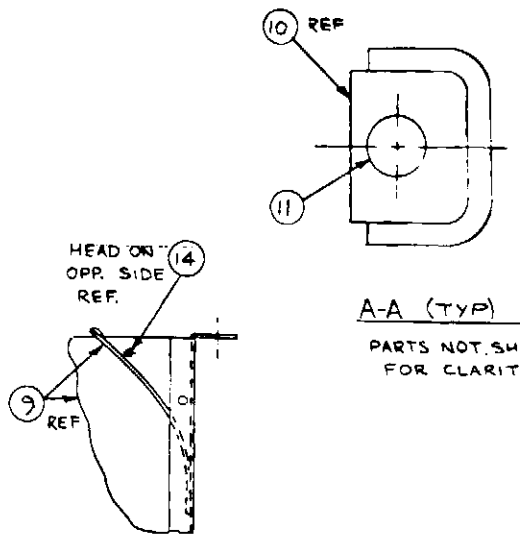
3 SEE SHT 1

CONFIG. | NEXT ASSY | USED ON
APPLICATION

Figure 2 #062865 4 of 4

REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
1	15814	ITEM 10 NOW -02, WAS -01	TOM	1-13-92	MRT
2	16049	ITEM 8 WAS 100397	MRT	7-14-92	MRT
3	16042	SEE ECO	TOM	10/28/92	MRT

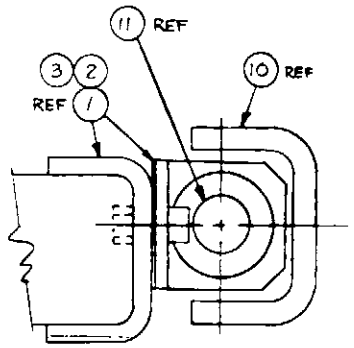




A-A (TYP)

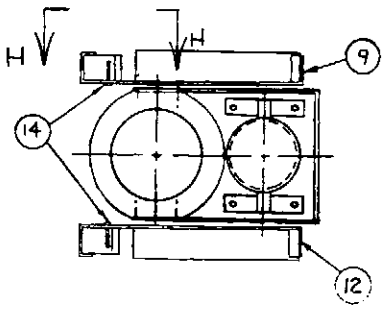
PARTS NOT SHOWN FOR CLARITY

H-H ROTATED 180° (TYP)

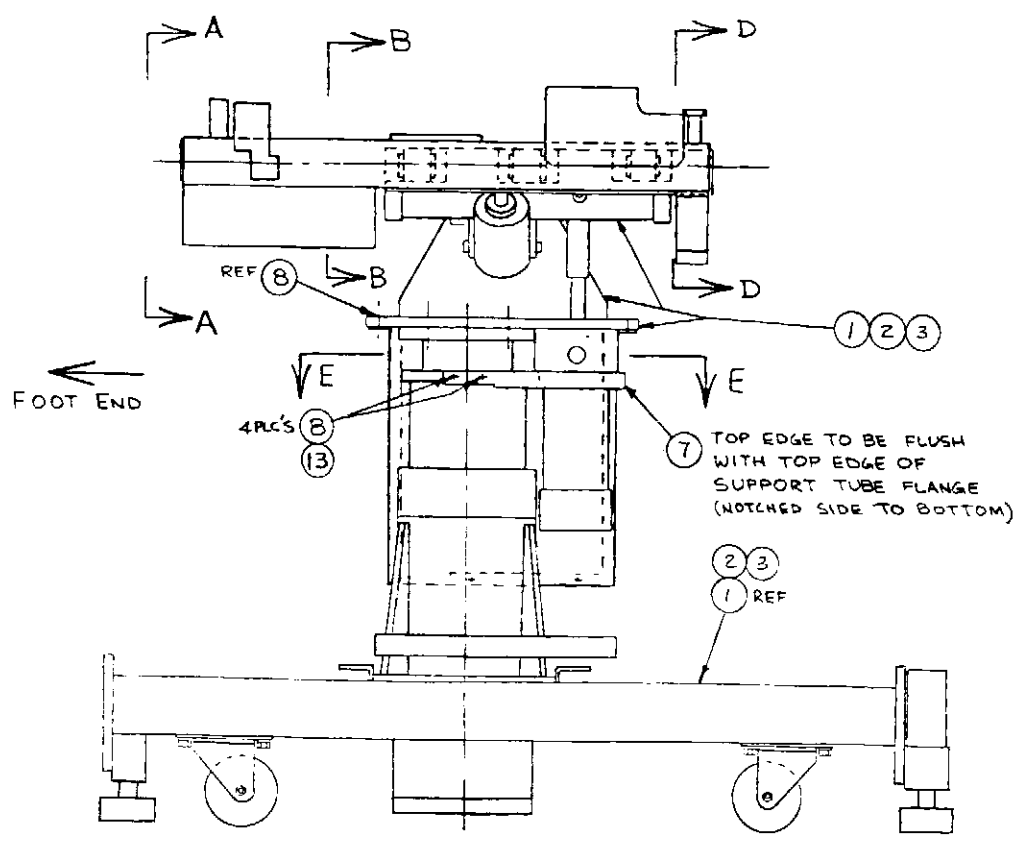


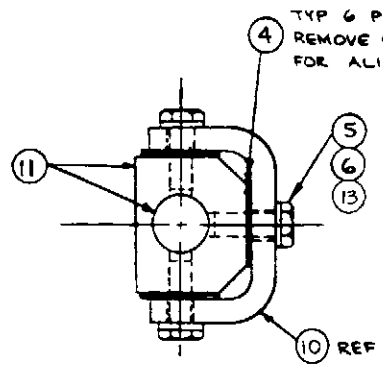
B-B (TYP)

PARTS NOT SHOWN FOR CLARITY



E-E





D-D (TYP)

PARTS NOT SHOWN FOR CLARITY

062373 BOOT OMITTED FOR CLARITY

ITEM NO.	QTY 4900E -02	QTY 4900B -01	PART NO.	DESCRIPTION	MATERIAL	FIN
17						
16						
15						
14	2	2	100557	SCR - SHT. METAL, TRUSS HD. #10x1" LG.		
13	AS REQ'D	AS REQ'D	051537	LOCTITE 242		
12	1	1	062849-01	WELD ASS'Y - HOSE BOX, L.H.		
11	2	2	053288	ASS'Y - BLOCK & SHAFT		
10	1	1	057156-02	WELD ASS'Y - SLIDE FRAME		
9	1	1	062849-02	WELD ASS'Y - HOSE BOX, R.H.		
8	12	12	106520	SCR - MACH., TRUSS HD, PHP #10-32 x 1/2	ST. STL.	
7	1	1	062229	BRKT. - INT. COLUMN FAIRING		
6	6	6	104390	WASHER - .265 ID x 1/2 OD x 1/16 STL - CAD		
5	6	6	103341	SCR - MACH HEX HD. STL - CAD 1/4-20 x 3/4 LG		
4	12	12	050281	SHIM - SHAFT BLOCK ADJ.		
3						
2	1		●	ASS'Y - MAIN SUPPORT, 4900E		
1		1	●	ASS'Y - MAIN SUPPORT, 4900 B		

LIST OF MATERIAL

CSA	062864-02B	2	062863-02B	062865-02B	4900 E
CSA	062864-01B	1	062863-01B	062865-01B	4900 B
UL	062864-02A	2	062863-02A	062865-02A	4900E
UL	062864-01A	1	062863-01A	062865-01A	4900 B
	CONFIG	ITEM	PART NO ●	NEXT ASSY	USED ON
				APPLICATION	

TOLERANCES, U.N.O. FRACTIONS ± 1/32 ANGLES ± 0° DECIMALS .XXX ± 0.005 .XX ± 0.010 .X ± 0.030

MATERIAL

HEAT TREAT

FINISH

DRAWN 1-10-91 MRT | CHKD | ENGR | APD. | TOOL NO. | BASE NO. | MFG DEPT. | DATE

Getinge/Castle, Inc.

ASS'Y - SLIDE FRAME & MAIN SUPPORT

SCALE NONE | SIZE D | 062864-□

Figure 3 #062864

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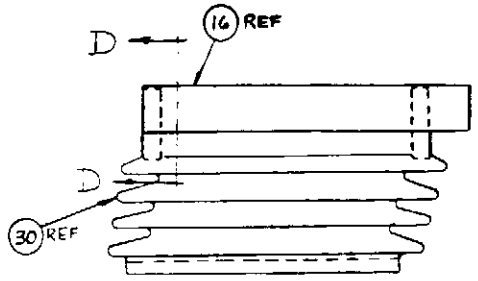
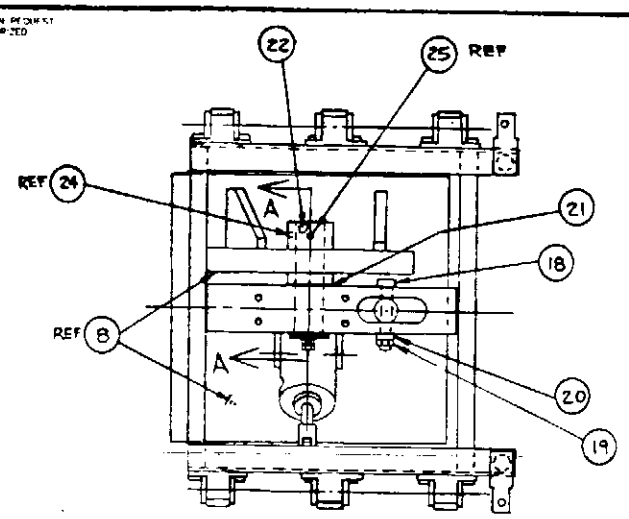
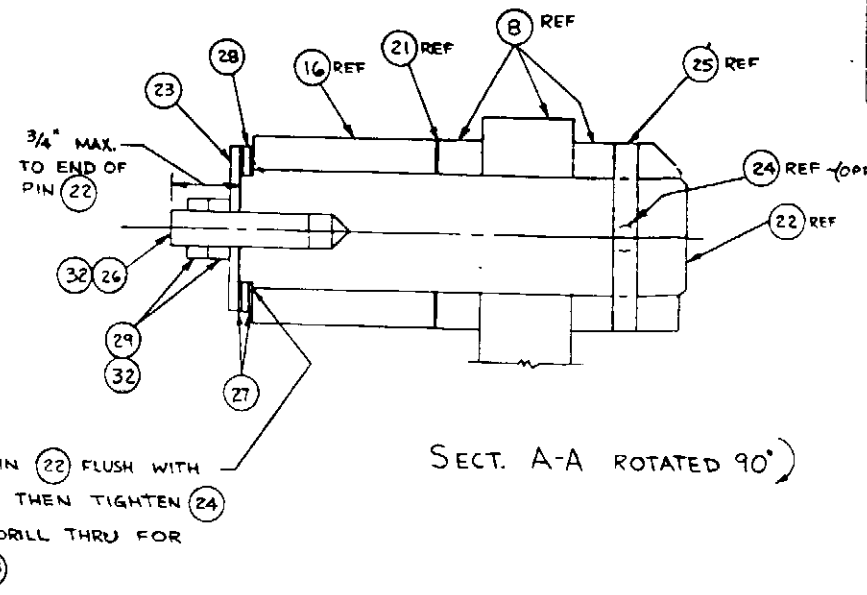
ITEM	ECO	REVISION	BY	DATE	APP'D
4	15814	ITEM 16 WAS 057371-01	MAT	1-12-98	MAT
3	15903	ITEM 15 WAS 054340-01	MAT	10/21/98	MAT
2	16049	ITEM 15 WAS 054340-02	MAT	9/29/99	MAT
1	16053	SEE ECO	MAT	10/18/99	MAT



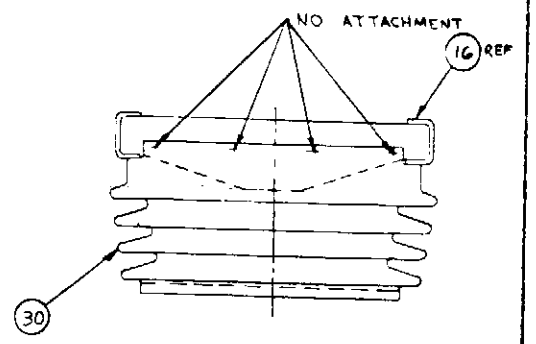
C-C



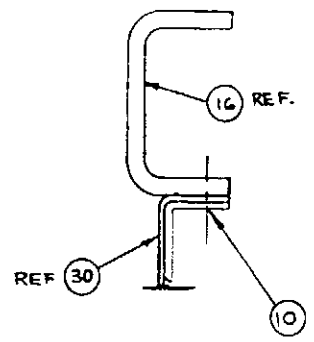


SHOULDER OF PIN (22) FLUSH WITH SURFACE OF (16), THEN TIGHTEN (24) SET SCREW & DRILL THRU FOR SPRING PIN (25)

SECT. A-A ROTATED 90°)

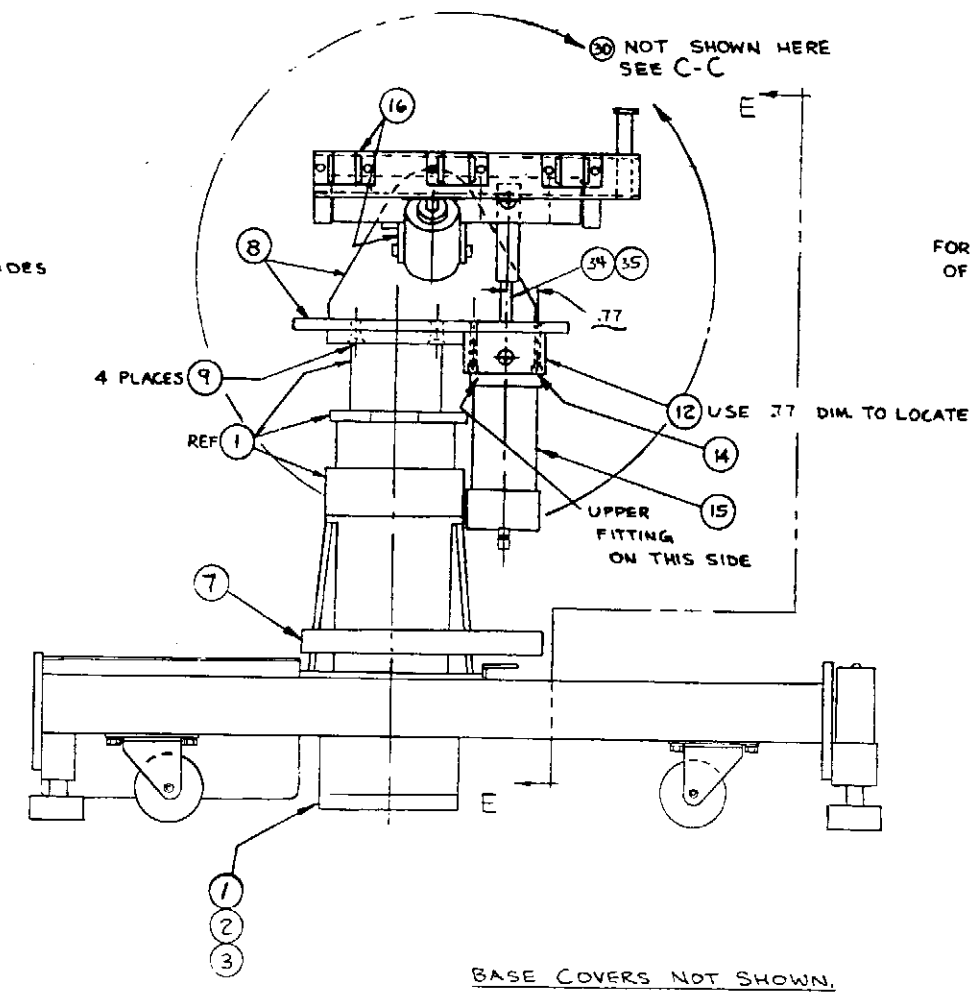


B-B INSTALLATION TYP. 2 PLACES.

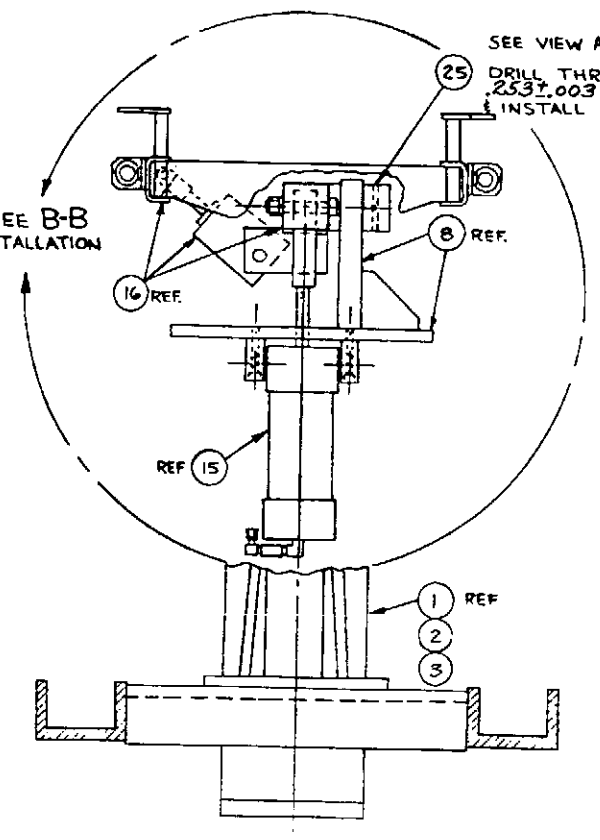


D-D

INSTALLATION TYP BOTH SIDES



BASE COVERS NOT SHOWN.



SECT. E-E

ITEM NO	QTY -02	QTY -01	PART NO	DESCRIPTION
35	1	1	051122	BUSHING - SPACER, TREND CYL.
34	1	1	051121	ROD END, TREND CYL.
33				
32	AS REQ'D	AS REQ'D	050211	LOCTITE 271
31				
30	1	1	062373	MOD. - FLEXIBLE BOOT
29	4	4	106202	NUT-JAM, 3/8-16 STL/CAD STD. JAM NUT (.22 THK)
28	1	1	033799	BEARING-THRUST NTA1828 1 1/8 ID x 1 3/4 OD x .078
27	2	2	033834	WASHER-THRUST BRG TRA 1828 1 1/8 ID x 1 3/4 OD x 1/32
26	1	1	100983	SET SCR-SOCK. HD, STL RAW 3/8-16 x 1 1/2
25	1	1	104076	PIN-SPRING, STL-RAW 21-S-250-2000 1/4 D x 2"
24	1	1	103962	SET SCR-SOCK. HD, CUP PT, STL BLK OX, 1/4-20 x 3/8
23	1	1	050021	WASHER-PIVOT PIN RETAINER
22	1	1	050018	PIN-MAIN PIVOT
21	1	1	050019	WASHER-PIVOT (.020 MO-DISUL FILLED NYLON)
20	1	1	105685	WASHER-3/8 SAE 13/32 ID x 13/16 OD x 1/16 STL CAD PLT
19	1	1	034013	NUT-LOCK, HEX FLEXLOC #21 FAG16 3/8-16 STL/CAD
18	1	1	039080	BOLT-SHOULDER 1/2 D x 2" 3/8-16 THD BLK OX.
17				
16	1	1	057371-02	ASSY-TILT FRAME
15	1	1	054340-01	ASSY-TREND CYL
14	4	4	055130	SCR-SOCK. HD. CAP. STL/BLK OX. 5/16-18 x 1"
13				
12	2	2	055045	BLOCK-TREND CYL. MT.
11				
10	4	4	105666	SCR-MACH., TRUSS HD PHPS STL/CHR #10-32 x 3/8
9	4	4	060978	SCR-FLT. HD CAP, HEX SOCK BLK OX 1/2-13 x 1 3/16
8	1	1	062233	WELD ASSY-MAIN SUPPORT
7	1	1	062223	GOAMING
6				
5				
4				
3				
2	1			BASE ASS'Y-ELEC., 4900E
1		1		BASE ASS'Y-ELEC., 4900 B

4900E -02, 4900B -01

ITEM	QTY	PART NO	DESCRIPTION	MATERIAL
CSA	2	062861-01	062864-02B	4900E
CSA	1	062860-01	062864-01B	4900B
UL	2	062861	062864-02A	4900E
UL	1	062860	062864-01A	4900 B
CONFIG	ITEM	PART NO.		

LIST OF MATERIAL

TOLERANCES, UNLESS OTHERWISE SPECIFIED: FRACTIONS ± 1/32, ANGLES ± 1°, DECIMALS .XX ± 0.005, .XXX ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN 1-10-91 MAT

CHK'D

ENGR

APP'D

TOOL NO

BASE NO

SPEC COPY

Getinge/Castle, Inc.

ASS'Y-
MAIN SUPPORT

SCALE NONE. SIZE D DWG 062863-□

NEXT ASSY

USED ON

APPLICATION

Figure 4 #062863

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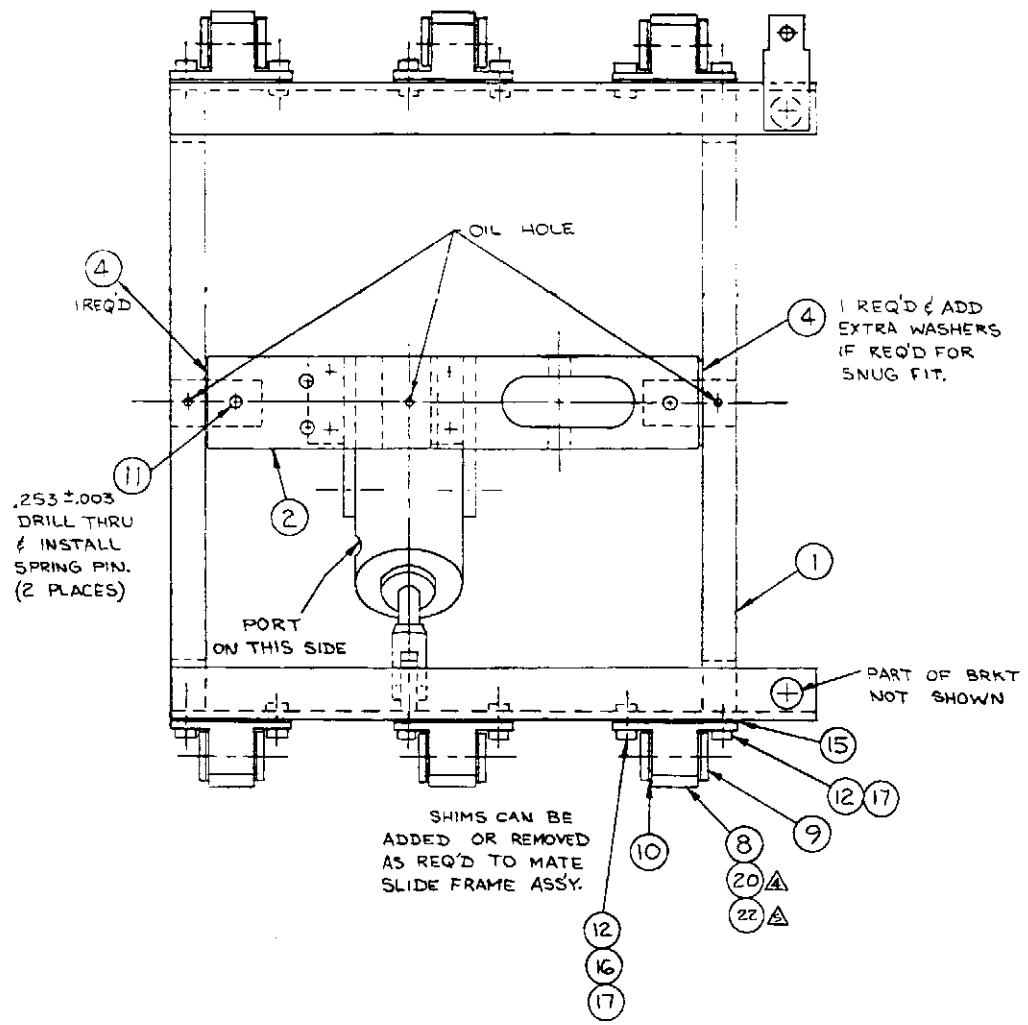
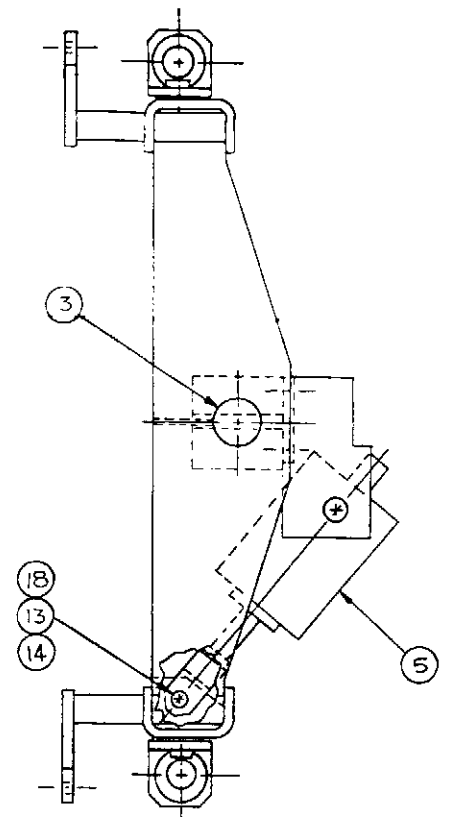
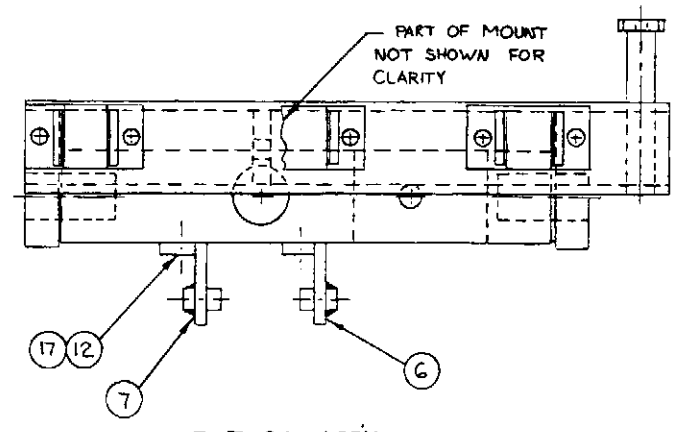
REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
A	EC6451	INITIAL PRODUCTION RELEASE			
A	14396	14.5 WAS 057370	RS	5/20/92	MC
A	15396	ADD 057371-01; CALL OUT 053285-01	MRT	4-5-93	MK
A	15712	ON 057371-01: REM ITM 8, ADD ITM 20	MRT	4-26-93	MK
A	15814	ADD -02, CALL OUT 053285-02, 050049-02	MRT	7-13-93	MCLT







TILT CYL. ASSY NOT SHOWN IN THIS VIEW FOR CLARITY

057371-01
△ 057371-02
057371
△ △

△	△		△			
6		22		050049-02	FITTING-BALL BUSHING MOUNT	
1		21		053285-02	MACH.-TILT FRAME ASS'Y	
	6	20		050049-01	FITTING-BALL BUSHING MOUNT	
	1	19		053285-01	MACH.-TILT FRAME ASS'Y	
1	1	18	1	105576	WASHER, FLAT 5/16 I.D. x 3/4 O.D. x 1/16 THK.	
A.R.	A.R.	17	A.R.	050211	LOCTITE 271	
7	7	16	7	100929	HEX NUT 1/4-20	
6	6	15	6	050167	SHIM-BALL BUSHING MT.	
1	1	14	1	106551	HEX LOCK NUT 5/16-18 ESNA 42E-058	
1	1	13	1	039071	SHOULDER BOLT 3/8 DIA x 3/4 LONG	
16	16	12	16	039097	CAP SCR. SOCKET HD. 1/4-20 x 5/8	
2	2	11	2	051299	PIN-SELFLOCKING, SPRING (21-S-250-1750)	
12	12	10	12	050052	RETAINER- BALL BUSHING	
6	6	9	6	050050	BALL BUSHING- 5/8 DIA.	
		△ 8	6	050049	FITTING - BALL BUSHING MOUNT	
1	1	7	1	050057	WELD ASSY-TILT CYL. MOUNT BRKT (F)	
1	1	6	1	050056	WELD ASSY-TILT CYL. MOUNT BRKT (H)	
△ 1	1	5	1	057572	ASSY-TILT CYL.	
3	3	4	3	050053	WASHER-NYLON 1.03 I.D.	
2	2	3	2	050017	PIN-TILT PIVOT	
1	1	2	1	057132	BEAM-TILT FRAME PIVOT	
	1	1	1	053285	MACH.-TILT FRAME ASSY	
QTY	QTY	ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL / FIN

LIST OF MATERIAL

ASSY NO.	NEXT ASSY	USED ON
△ 057371-02	062863	43008
△ 057371-01		4900
△ 057371	057163	1700 EC

APPLICATION

TOLERANCES, UNLESS FRACTIONS ± 1/32 ANGLES ± ½° DECIMALS .xxx ± 0.005 .xx ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN	2/27/96	GF
CHKD		
ENGR		
APD.	2/27/96	
TOOL NO.		
GAGE NO.		
MFG DEPT.		

Getinge/Castle, Inc.

ASS'Y- TILT FRAME

SCALE NONE | SIZE D | DWG. 057371-C △

Figure 5 #057371

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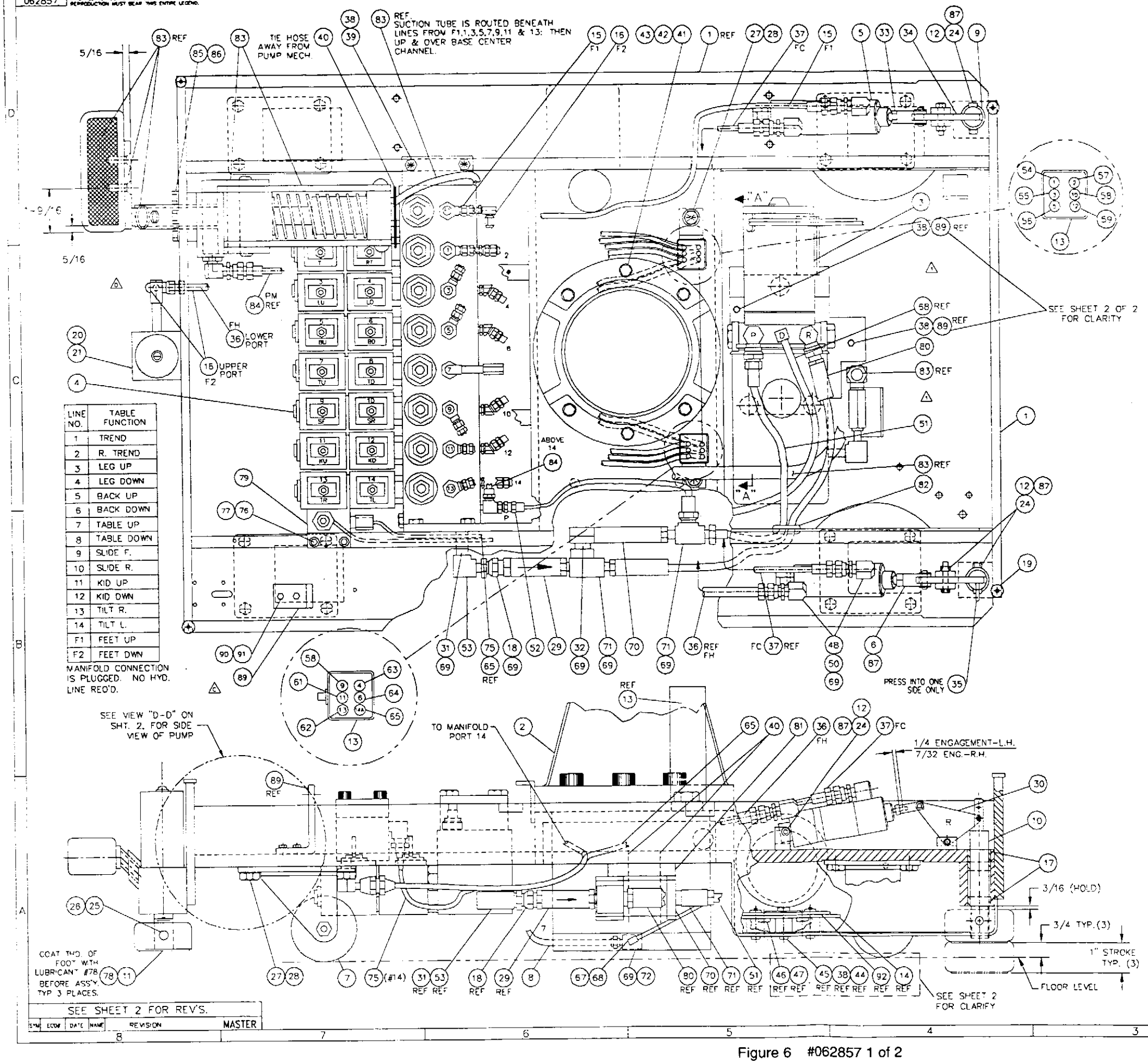
5/16
9/16
5/16
TIE HOSE AWAY FROM PUMP MECH.
REF. SUCTION TUBE IS ROUTED BENEATH LINES FROM F1,1,3,5,7,9,11 & 13: THEN UP & OVER BASE CENTER CHANNEL.
"A"
SEE SHEET 2 OF 2 FOR CLARITY
LOWER PORT
UPPER PORT
PM REF
FH
ABOVE 14
MANIFOLD CONNECTION IS PLUGGED. NO HYD. LINE REQ'D.
SEE VIEW "D-D" ON SHT. 2. FOR SIDE VIEW OF PUMP
TO MANIFOLD PORT 14
1/4 ENGAGEMENT-L.H.
7/32 ENG.-R.H.
PRESS INTO ONE SIDE ONLY
3/16 (HOLD)
3/4 TYP.(3)
1" STROKE TYP. (3)
FLOOR LEVEL
SEE SHEET 2 FOR CLARIFY
COAT THD. OF FOOT WITH LUBRICANT #78 BEFORE ASS'Y. TYP 3 PLACES.

LINE NO.	TABLE FUNCTION
1	TREND
2	R. TREND
3	LEG UP
4	LEG DOWN
5	BACK UP
6	BACK DOWN
7	TABLE UP
8	TABLE DOWN
9	SLIDE F.
10	SLIDE R.
11	KID UP
12	KID DWN
13	TILT R.
14	TILT L.
F1	FEET UP
F2	FEET DWN

SEE SHEET 2 FOR REV'S.

SYM	ECO#	DATE	NAME	REVISION
				MASTER

(LIST OF MATERIALS CONT'D ON SHEET 2)

ITEM #	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
74	–	------	----------		
73	–	------	----------		
72	–	------	----------		
71	2	063193	STREET TEE 1/4 NPT		
70	1	062853	RELIEF VALVE-ADJUSTED (1500 PSI)		
69	A/R	051537	LOCTITE #242		
68	2 FT.	038562	TUBE 1/4 O.D. X .040 WALL		
67	1	038262	90° MALE ELBOW (1/4 X 1/4 BARB)		
66	–	------	----------		
65	*	057673	SYNFLEX HOSE ASS'Y 68" LG		
64	REF	057213	SYNFLEX HOSE ASS'Y 93" LG		
63	REF	057212	SYNFLEX HOSE ASS'Y 85" LG		
62	REF	057211	SYNFLEX HOSE ASS'Y 55-1/2" LG.		
61	REF	057210	SYNFLEX HOSE ASS'Y 78" LG		
60	REF	057209	SYNFLEX HOSE ASS'Y 87" LG.		
59	REF	057208	SYNFLEX HOSE ASS'Y 94" LG		
58	REF	057207	SYNFLEX HOSE ASS'Y 88-3/4 LG.		
57	REF	057206	SYNFLEX HOSE ASS'Y 64-1/2" LG		
56	REF	062000-07	SYNFLEX HOSE ASS'Y 75" LG		
55	REF	057204	SYNFLEX HOSE ASS'Y 81-3/4" LG.		
54	REF	057203	SYNFLEX HOSE ASS'Y 65-1/2 LG.		
53	*	063194	90° ELBOW 1/4 NPTF		
52	1	062856-02	SYNFLEX HOSE ASS'Y 10-5/8 LG.		
51	1	063269	SYNFLEX HOSE ASS'Y 14-3/8 LG.		
50	3	054332	SWIVEL ADAPTER-STRAIGHT		
49	–	------	----------		
48	5	053818	STREET ELBOW 1/8 NPT		
47	2	100838	WASHER-SPLIT LOCK, 3/8 I.D.		
46	2	057305	SCREW-HEX HD. CAP 3/8-16 X 1 1/2 LG.		
45	3	062665	VIBRATION MOUNT		
44	3	103382	HEX JAM NUT 1/4-20		
43	6	100968	HEX NUT 7/16-14		
42	6	105587	SCREW, SOC. HD. CAP 7/16-14 X 2" LG.		
41	6	103125	WASHER, LOCK, SPLIT 7/16 ID		
40	AS REQ'D	035475	CABLE TIE		
39	4	302203	SCREW, HEX. HD. CAP 1/4-20 X 5/8 LG.		
38	9	103647	WASHER-LOCK, INT. 1/4 I.D.		
37	1	062000-02	SYNFLEX HOS ASS'Y 30" LG.		
36	1	062000-03	SYNFLEX HOSE ASS'Y 43" LG.		
35	1	104129	PIN, SPRING, 3/16 DIA. X 1-1/8 LG.	STL	CAD
34	1	061928-01	CAM L.H.		
33	2	061929	HEX JAM NUT 5/16-24 UNF		
32	1	063195	CLOSE NIPPLE 1/4 NPT		
31	1	063196	LONG NIPPLE 1/4 NPT X 3.0 LG.		
30	1	061928-02	CAM R.H.		
29	1	063058	CHECK VALVE - STEEL/CAD PLT.		
28	18	101224	SCREW, HEX HD CAP 5/16-18 X 1/2 LG.		
27	18	100360	WASHER, LOCK, INT. 5/16 ID		
26	3	005246	PLUG		
25	3	105314	SET SCREW 1/4-28 X 3/8 LG.		
24	6	036385	HEX LOCK NUT 10-24 UNC, REG. 21FA-1024 STL CAD	STL.	ZINC
23	–	------	----------		
22	–	------	----------		
21	2	101180	S.H.C.S.-5/16-18 X 2" LG.	STL.	RAW
20	1	061884	ASS'Y- FOOT CYLINDER		
19	4	053890	RUBBER BUMPER		
18	1	063197	SWIVEL ADAPTER-STRAIGHT, 1/4 NPT		
17	4	054212	BUSHING		
16	1	062000-05	SYNFLEX HOSE ASS'Y 22-1/2" LG.		
15	1	062000-06	SYNFLEX HOSE ASS'Y 18" LG.		
14	1	063580	BRACKET, MOTOR, LOWER		
13	2	057130	HOSE GUIDE ASS'Y		
12	6	036386	SCREW, SHOULDER 1/4 DIA. X 3/4 LG.		
11	3	054963	VULCANIZED FOOT		
10	1	061924	POST R.H.		
9	1	061926	POST L.H.		
8	1	057202	SYNFLEX HOSE ASS'Y 10" LG.		
7	4	053896	CASTER, 3" WHEEL, CONDUCTIVE		
6	2	050137	ROD END-CLEVIS		
5	2	061916	HYD. CYL. ASS'Y, 1-1/8 DIA. X 7/8 STROKE FEET		
4	1	063205	ASS'Y MANIFOLD		
3	1	302506	POWER UNIT		
2	1	062982	ASS'Y. H.P. LIFT (15")		
*	1	302573	BASE ASSY. 2ND WELDVENT (UNIV BASE)		

LIST OF MATERIALS

APPLICATION: NEXT ASS'Y 062860 062861
MATERIAL: SEE SHT. 1 & 2
FINISH:
DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.010; THREE DECIMAL PLACES ±.005; ANGLES ±0-1/2°; ALL HOLES FRACTIONS ±1/32
PRODUCT: TABLE/4900
REFERENCE DRAWINGS:
DRAWN: MDT 1/22/91
APPROVED:
CAD DWG. NAME: 062857.DWG
SHEET 1 OF 2
SCALE: NONE
Getinge/Castle, Inc.
TITLE: BASE ASS'Y - HYD. & MECH. (4900)
SIZE D | DRAWING NO. 062857 | REV F
SHT. 2 OF 2 IS "D" SIZE

Figure 6 #062857 1 of 2

DRAWING NO. 062857
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062857-51 ASS'Y - POWER UNIT

ITEM	QTY	DESCRIPTION
3	1	POWER UNIT
~~* 49~~	~~2~~	~~90° ELBOW - SYNFLEX~~
~~* 66~~	~~1~~	~~90° ELBOW - MALE BARB~~
~~* 73~~	~~1~~	~~ELBOW - 1/2" TUBE~~
~~69~~	~~AS REQ'D~~	~~LOCTITE #242 (BLUE)~~
~~* 74~~	~~1~~	~~INSERT FOR 1/2" TUBE (HOSE)~~
88	1	TERMINAL RING-CRIMP 10 (-) LEAD (BLACK)
~~53~~	~~1~~	~~90° ELBOW~~

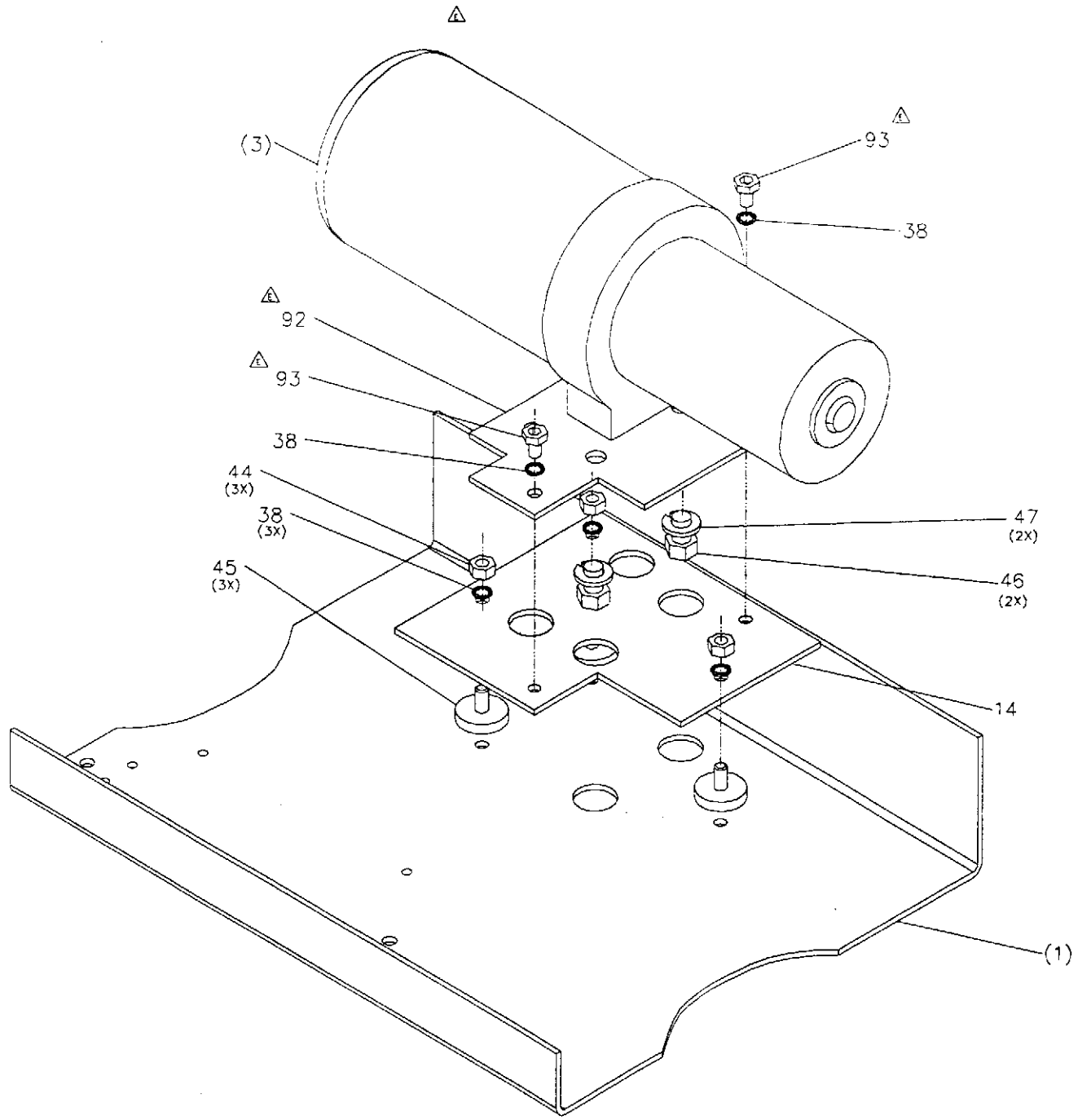
062857-52 ASS'Y - FOOT CYL., HD. END

ITEM	QTY	DESCRIPTION
20	1	ASS'Y - FOOT CYL.
* 22	2	NIPPLE
* 23	2	SYNFLEX ELBOW
69	AS REQ'D	LOCTITE #242 (BLUE)

062857-53 ASS'Y - FOOT CYL., FOOT END

ITEM	QTY	DESCRIPTION
5	1	HYD. CYL. ASS'Y
48	2	STREET ELBOW
50	2	SWIVEL ADAPTER
69	AS REQ'D	LOCTITE #242 (BLUE)

* ITEMS MARKED WITH "*" ARE TO BE USED WITH THESE ASSEMBLIES ONLY.



ITEM NO	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
93	2	5124032007	SCREW, SOC. HD. CAP 1/4-20 x 3/8"LG. SST		
92	1	063581	BRACKET, MOTOR, UPPER		
91	2	100922	WASHER - SPLIT LOCK, .25		
90	2	104386	SCREW - HEX HD. MACH. .25-20 x .50		
89	1	302669	ANGLE - SPRING (UNIV. BASE)		
88	1	062646-07	RING TERMINAL 14-16 AWG		
87	AS REQ'D	104628	GREASE - MOLYKOTE TYPE 6X		
86	3	104247	WASHER - SPLIT LOCK 5/16"		
85	3	106499	SCREW - HEX HD. CAP 5/16-18 X 1" LG.		
84	1	062000-01	SYNFLEX HOSE ASS'Y 24" LG.		
83	1	062850	ASS'Y - H.P. COMPACT PUMP (W/LINKAGE)		
82	1	063202	GROMMET		
81	1	063201	BLOCK		
80	1	063198	SYNFLEX HOSE ASS'Y 19-3/16" LG.		
79	1	057643	ASS'Y - FLOW CONTROL		
78	AS REQ'D.	060141	LUBRICANT - ANTI-SEIZE		
77	2	053473	CAP SCREW - SOC. HD. #10-32 X 1/2 LG.		
76	2	100916	WASHER - SPLIT LOCK		
75	1	057672	SYNFLEX HOSE ASS'Y 19-3/4" LG.		

LIST OF MATERIALS (CONT'D FROM SHEET 1)

SYM	ECO#	DATE	NAME	REVISION
F	20960	6/25/97	MAB	REMV. ITEMS 49, 66, 73, 89, 74, & 53 FROM POWER UNIT KIT
E	20814	4/17/97	MAB	ADD MOTOR MOUNT DWG ON SHT. 2; ADD #92 & 93, #38 QTY WAS 7
D	20451	5/23/96	MAB	SEE ECO
C	20395	2/14/96	MAB	ADD #89,90 & 91; #1 WAS 062678
2	16097	3/2/94	MOT	SEE SHT 2
1	15803	2/12/91	DF	ADD 24" TO #68, #52 WAS 062956; #51 WAS 062586; ADD #73; #53 QTY WAS 1; #48 WAS 062757; #4 WAS 063190

MASTER

APPLICATION	NEXT ASS'Y
	062860/4900B
	062861/4900E
MATERIAL	SEE SHT. 1 & 2
FINISH	
DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED	TWO DECIMAL PLACES ±.01; THREE DECIMAL PLACES ±.005; ANGLES ±0°; ALL HOLES; FRACTIONS
DRAWN	1/3/95
APPROVED	
CHANGES	
PART/SYM. NAME	062857D2
PRODUCT	TABLE/4900
SHEET	2 OF 2
REFERENCE DRAWINGS	
SCALE	NONE
TITLE	BASE ASSEMBLY - HYD. & MECH. (4900)
SIZE	D
DRAWING NO.	062857
REV.	F

Getinge/Castle, Inc.

SHT. 1 OF 2 IS "D" SIZE

Figure 6 #062857 2 of 2

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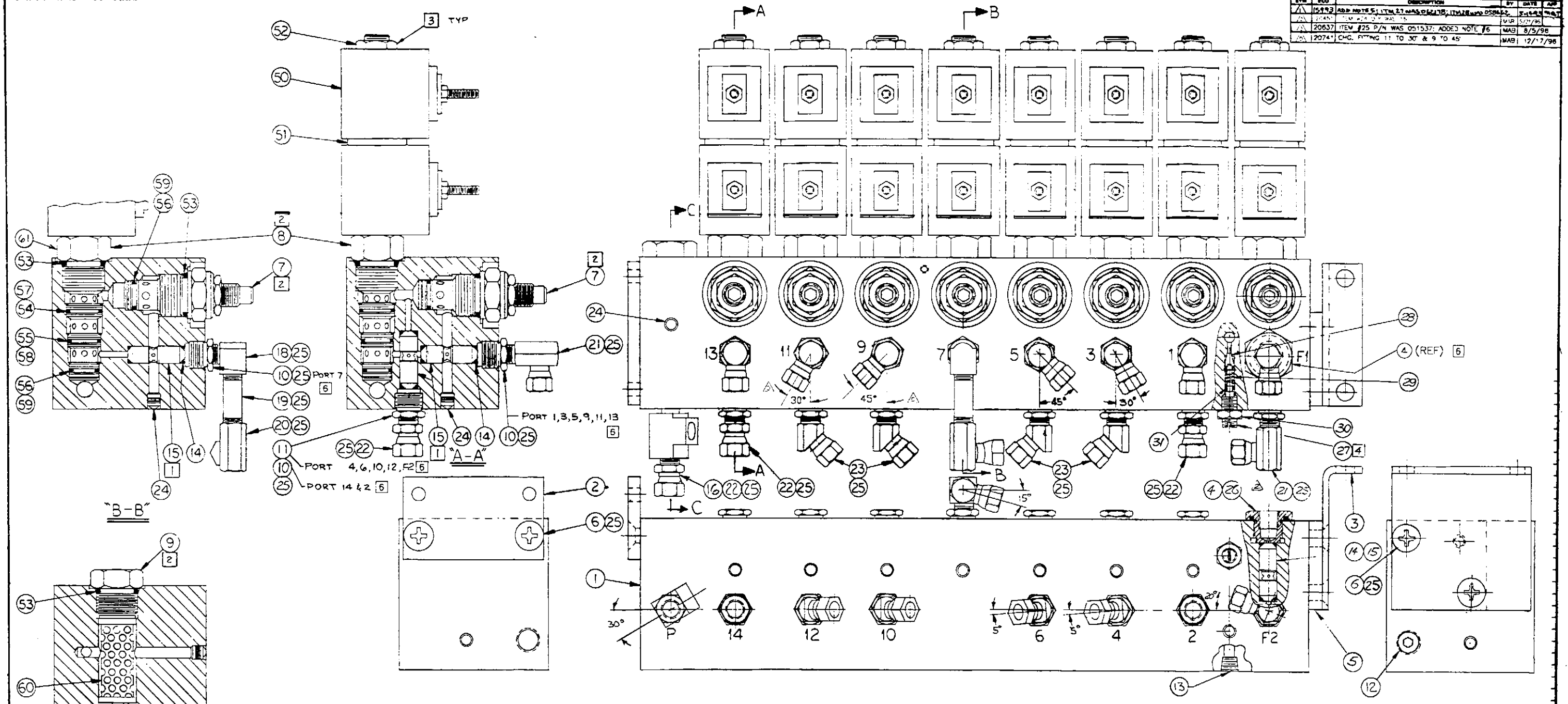
REVISION				
SYM	ECO	DESCRIPTION	BY	DATE
1	15993	ADD NOTE 5; ITEM 27 WAS 063178; ITEM 28 WAS 050442		5-14-92
2	[illegible]	[illegible]	MJR	5/31/95
3	20637	ITEM #25 P/N WAS 051537; ADDED NOTE #6	MAB	8/5/98
4	20741	CHG. FITTING 11 TO 30° & 9 TO 45°	MAB	12/17/98



NOTES

1. ASSEMBLE ITEM 15 WITH LONG END TOWARDS OUTSIDE AS SHOWN.
2. INSTALLATION TORQUE 30-32 FT.-LBS.
3. INSTALLATION TORQUE 4 FT.-LBS MAX.
4. ADJUST RELIEF PRESSURE 1500 TO 2000 PSI, SECURE WITH JAM NUT (FIT #30)
5. ELECTRICAL INSPECTION PER MOP 010.
6. INSTALLATION TORQUE 12 TO 14 FT-LBS.

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN.
61	1	062412	VALVE STEM W/O ITEMS 50, 51 & 52		
60	1	057689	ELEMENT - FILTER 10 MICRON		
59	1	057688	BACK-UP RING		
58	1	057687	BACK-UP RING		
57	1	057686	BACK-UP RING		
56	1	057685	O-RING		
55	1	057684	O-RING		
54	1	057683	O-RING		
53	1	057682	O-RING		
52	1	057681	NUT		
51	1	057680	SPACER		
50	1	062049	COIL 24VDC		

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN.
31	1	104448	O-RING 7/32 x 3/32 x 1/16		
30	1	061929	NUT, HEX JAM 5/8-24 UNF	STL	NAT.
29	1	037827	SPRING .316 DIA x 1.46	MUSIC WIRE	
28	1	063334	TIP	STS	
27	1	063333	STOP, SCREW	BRASS	
26	1	104455	O-RING 7/8 x 3/4 x 1/16		
25	AR	03940*	LOCTITE #609		
24	12	056632	PLUG, SHEREX #MB-700-070		
23	4	054331	45° SWIVEL ELL 1/8M - 1/8F	STL	ZN
22	3	054332	STR. SWIVEL ADAPTER 1/8M - 1/8F	STL	ZN
21	8	054333	90° SWIVEL ELL 1/8M - 1/8F	STL	ZN
20	1	054330	90° SWIVEL ELL 1/8F - 1/8F	STL	ZN
19	1	035491	NIPPLE 1/8-27 NPTF x 1 1/2	BRASS	
18	1	053818	90° STREET ELL 1/8 - 1/8	BRASS	
17					
16	1	062757	STREET TEE		
15	15	056515	PILOT OPER. CHECK VALVE		

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL
14	30	104450	O-RING 3/8 x 1/4 x 1/16 #568-010	BUNA N
13	1	104495	1/8 NPT PIPE PLUG - HEX SOCKET	
12	1	063203	1/4 NPT PIPE PLUG - HEX SOCKET	
11	5	056940	ADAPTER W/.025 ORIFICE	
10	9	056939	ADAPTER W/.104 ORIFICE	BRASS
9	1	056987	FILTER	
8	8	062048	SOLENOID VALVE	
7	8	056985	FLOW CONTROL VALVE	
6	4	105317	SCREW, FHM SH. 5/16-18 x 3/4	ST/STL.
5	1	062269	SPACER	STL
4	1	062177	ADAPTER	BRASS
3	1	061905	SUPPORT L.H.	
2	1	056865	SUPPORT R.H.	
1	1	063189	MANIFOLD	

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN.

LIST OF MATERIAL

062857 APPLICATION 4500E 4500S

TOLERANCES, U.N.O. FRACTIONS ± 1/32 ANGLES ± 1/2° DECIMALS: .xx ± 0.005 .xxx ± 0.010 .xxxx ± 0.0050

MATERIAL

HEAT TREAT

FINISH

DRAWN 9/30/91 GF

CHKD.

ENGR.

APPD.

TOOLING

GAGE NO.

TOPS DEPT.

SCALE FULL

DATE

SIZE D

DWG. 063205

Getinge/Castle, Inc.

ASS'Y., MANIFOLD

Figure 7 #063205

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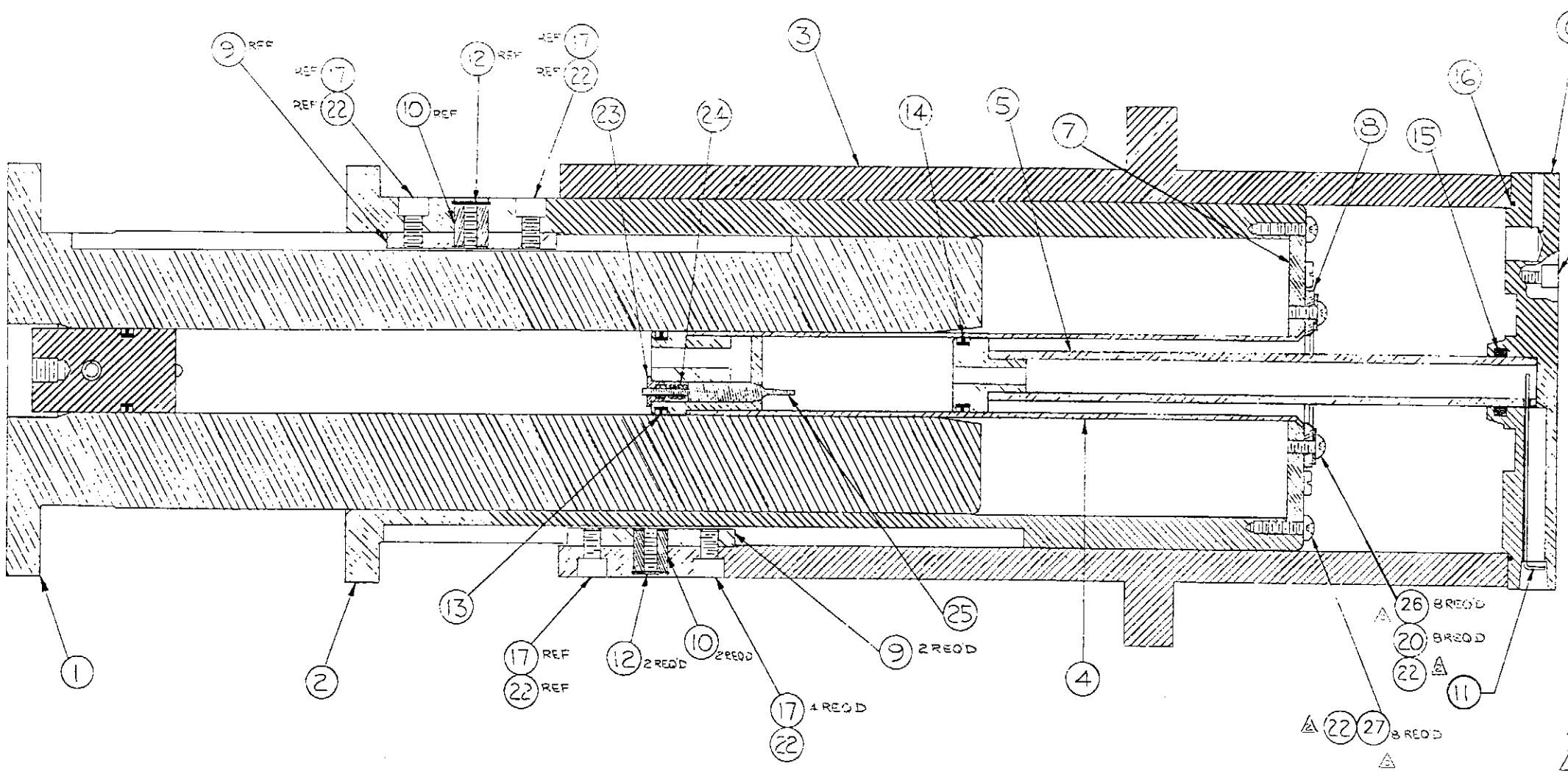
REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
1	158000	DC32694 WAS 103186 (ITEM 17)	GF	12/6/91	
2	158366	ITEM 20 WAS U18557 ADD LOCTITE 10 22 AND 17 19	GF	4/1/92	
3	20724	REMV. ITEM #18 & 19: ADD ITEM #26 & 27	MAB	10/14/96	



SEE PAGE 2 FOR ASSEMBLY NOTES.

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
			LIST OF MATERIAL		
26	8	053500	10-32 x 1/2 PAN HD. MACH. SCREW, PHIL.		
26	8	105116	10-32 x 3/8 RD. HD. MACH. SCREW, PHIL.		
25	1	063187	VALVE, PISTON #1 - HP LIFT		
24	1	063198	SPRING		
23	1	063186	NUT - HP LIFT		
22	AR	051537	LOCTITE 242		
21	8	105074	#10-32 x 3/4 LG. SOC. HD. CAP SCREW		
20	8	104352	#10 INTERNAL LOCK WASHER		
~~19~~	~~8~~	~~105046~~	~~#10-32 x 3/8 LG. RD HD MACH SCREW~~		
~~18~~	~~8~~	~~050983~~	~~#10-32 x 1/2 LG. PAN HD MACH SCREW~~		
17	4	063204	SCREW - HP LIFT (1/4-28 REF)		
16	1	055185	O RING 5/8 OD x 5/4 ID x 1/16		
15	1	062991	O RING 1 OD x 3/4 ID x 1/8		
14	1	062993	T-SEAL 1 1/8 OD x 7/8 ID x 1/8 (WITH 2 BACK UP RINGS)		
13	1	062994	T-SEAL 1 1/4 OD x 1 ID x 1/8 (WITH 2 BACK UP RINGS)		
12	2	055181	RETAINING RING		
11	1	055190	RETAINER PIN		
10	2	055192	PIN - KEY RETAINING		
9	2	055191	KEY - LIFT		
8	1	062989	LWR SUPPORT PLATE		
7	1	062988	OUTER SUPPORT PLATE		
6	1	062987	CYLINDER CAP		
5	1	062986	PISTON NO. 2 ASSY		
4	1	062985	PISTON NO. 1 ASSY		
3	1	054928	SUPPORT HOUSING MACHINING		
2	1	062984	OUTER SUPPORT MACHINING		
1	1	062983	INNER SUPPORT ASSY		

062935	4900 SX		
062857	4900 F		
062857	2900 F		
NEXT ASSY	USED ON		
APPLICATION			

TOLERANCES, U.N.O.
FRACTIONS ± 1/32 ANGLES ± ½°
DECIMALS .XXX ± 0.005 .XX ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN	10/7/91	GF	Getinge/Castle, Inc.
CHKD			
ENGR			4P LIFT ASSY
APD.			
TOOL NO.			PAGE 1 OF 2, PAGE 2 - B SIZE
GAGE NO.			SCALE FULL
MFG DEPT.			SIZE D DWG 062982
			DATE

Figure 8 #062982

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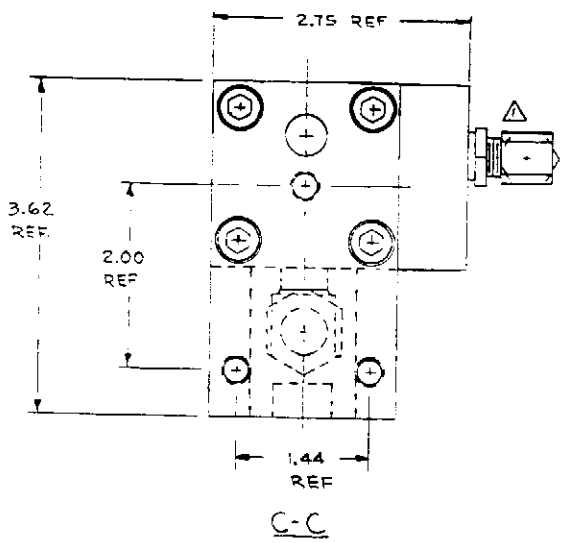

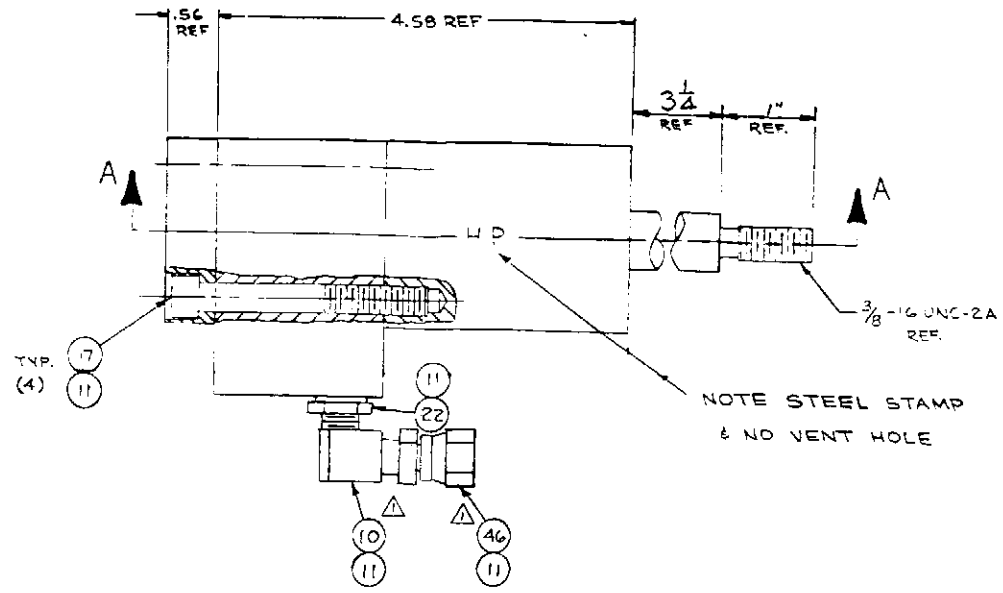

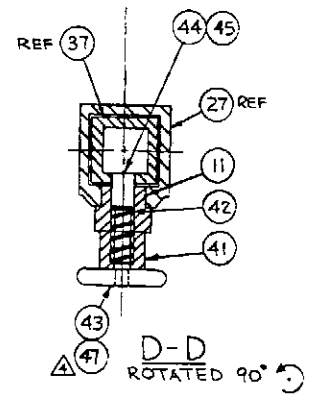

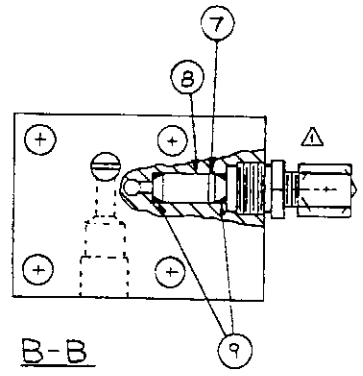

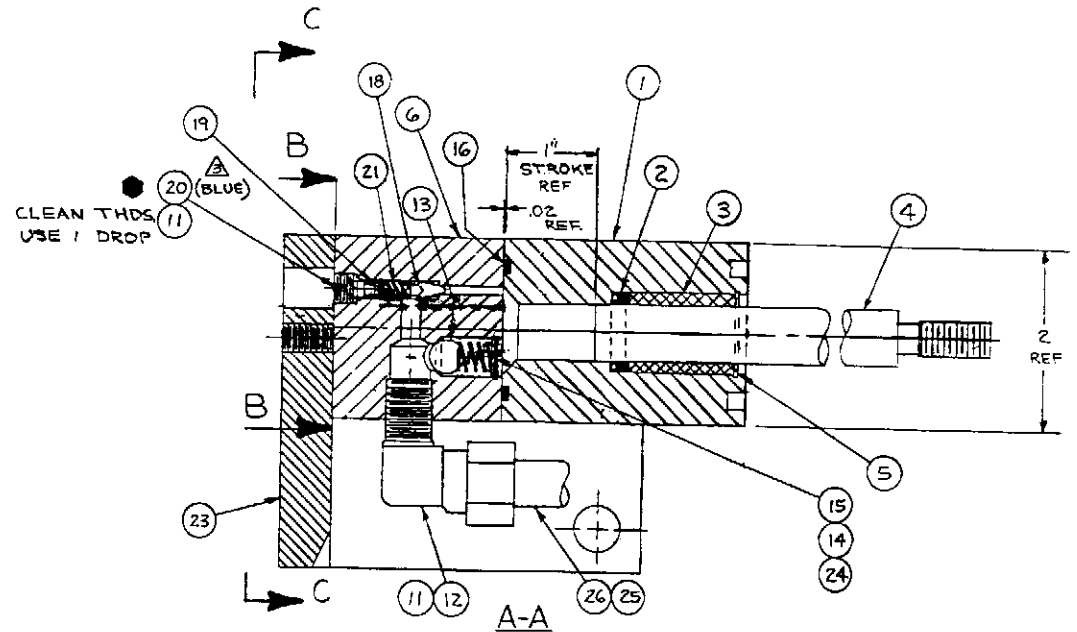

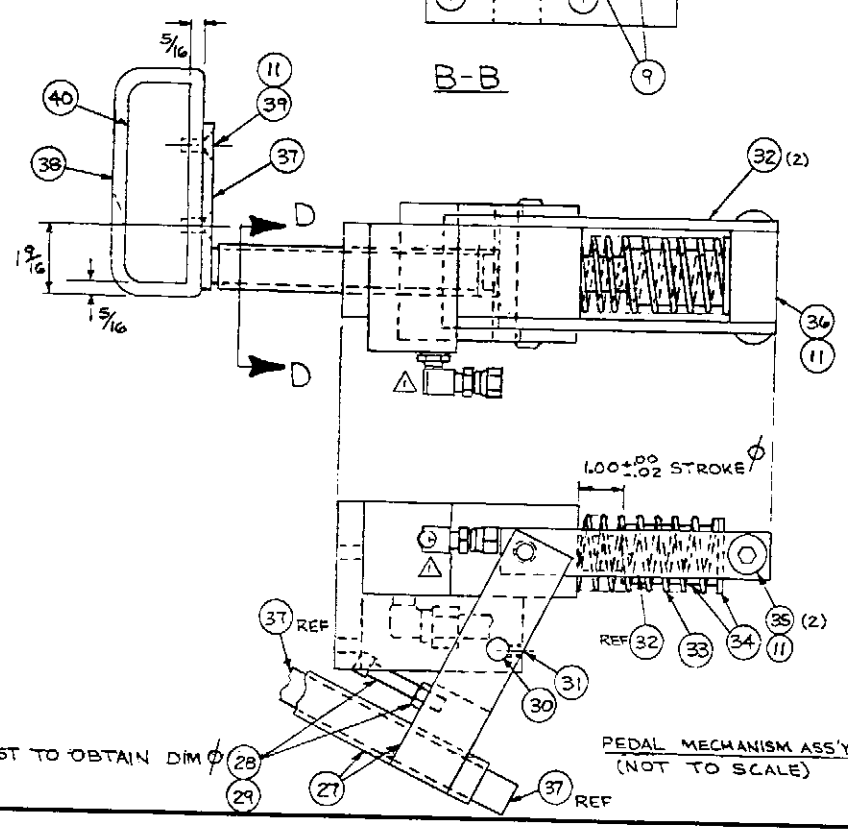

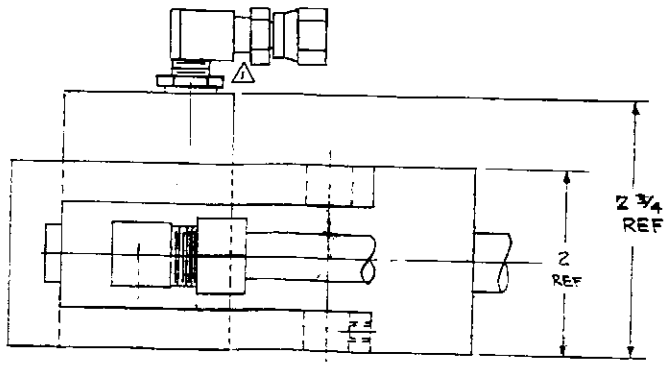

● SET RELIEF VALVE TO ALLOW 1450-1500 PSI MAX. OUTPUT.

4	47	AS REQ'D	050211	LOCTITE 271 (RED)
⚠	46	1	054332	SWIVEL ADAPTER
	45	AS REQ'D	036137	GREASE, (GREEN)
	44	1	058294	PLUNGER
	43	1	058295	KNOB
	42	1	050746	SPRING

SYM	ECO	REVISION DESCRIPTION	BY	DATE	APP
⚠	15799	ITM 10 WAS 054333; ADD ITM 46		12-4-91	MET
⚠	15814	ADD -01 TO ITEM 38	MET	1-13-92	MET
⚠	15871	ADD -01 TO ITEM 20 & "BLUE"	MET	4-27-92	MET
⚠	15951	ADD ITM 47; AT 40 WAS (1)	MET	7-20-92	MET
		REV ADD'D ITM 46; REV ADD'D ITM 47; REV ADD'D ITM 48			

REPAIR KITS

062850-50 VALVE BLOCK ASS'Y

INCLUDES: (6) VALVE BLOCK
(12) ELBOW
(13) BALL
(14) EYELET
(15) RETAINING RING
(18) TIP
(19) O-RING
(20) STOP SCREW
(21) SPRING
(24) SPRING
(16) O-RING — LOOSE

ASSEMBLED WITH RELIEF VALVE PRE-SET (1400-1500 PSI)

061870-51 SEAL KIT

INCLUDES: (9) O-RING (2)
(16) O-RING
(19) O-RING
LOOSE

062850-52 BODY, BEARING & ROD SEAL ASS'Y

INCLUDES: (1) BODY
(2) SEAL
(3) BEARING
(5) RETAINING RING
ASSEMBLED

ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL	FIN
			LIST OF MATERIAL		
41	1	058293	BUSHING		
40	1	062291	TREAD-PEDAL		
39	2	105317	SCREW-MACH, 5/16-18 x 3/4 LG, FLT. HD PHPS, STL/CHR		
⚠ 38	1	062212-01	PEDAL-MACHINED		
37	1	061941	ASS'Y- OUTER PEDAL		
36	1	061939	TRUNNION BAR		
35	2	054663	SHOULDER SCREW		
34	1	061931	SPRING GUIDE		
33	1	034230	SPRING		
32	2	061930	LINK		
31	1	105559	SET SCREW - NYLOK, #10-32 x 1/4 LG STL/BLK OX.		
30	1	061940	SHAFT- PEDAL		
29	1	100959	NUT - 5/16-18 STL/CAD		
28	1	105538	SHCS - 5/16-18 x 1 3/4 LG. STL/BLK OX		
27	1	061943	ASS'Y - PUMP PEDAL (WELD)		
⚠ 26	33"	054669	TUBE-1/2" O.D. x .062 WALL (SYNFLEX N2)		
⚠ 25	"	051415	INSERT FOR 1/2" O.D. TUBE		
24	1	061878	SPRING - (.343 OD x 9/16 FREE LEN., CENTURY #S-1040)		
23	1	061877	MOUNT- COMPACT PUMP		
22	1	056939	ADAPTER PLUG		
21	1	037827	SPRING 3/16 D. x 1/2 LG.	MUSIC WIRE	
⚠ 20	1	058663-01	STOP SCREW 5/16 D. x .59 LG. (BLUE)	ST. STL	
19	1	104448	O-RING 3/32 x 7/32 x 1/16		
18	1	058662	TIP .206 DIA x .46 LG	ST. STL	
17	4	106174	S.H.C.S. - 5/16 x 2 1/2 LG	STL/RAW	
16	1	061876	O-RING 1 1/4 x 1 7/16 x 3/32		
15	1	104805	RETAINING RING, 7/16 INT. (TRUARC N5000-43) STL/RAW		
14	1	061875	EYELET		
13	1	105090	STEEL BALL - 3/8 DIA. (GRADE 200, CHR. STL)		
12	1	061404	MALE ELBOW - 1/2 TUBE x 1/4 NPTF (691 x 8 x 4)		
11	AS REQ'D	051537	LOCTITE 242 (BLUE)		
⚠ 10	1	053818	STREET ELBOW		
9	2	050190	O-RING 3/16 x 5/16 x 1/16		
8	1	050188	CARTRIDGE- CHECK VALVE		
7	1	061874	SPACER- VALVE SEAL		
6	1	061867	VALVE BLOCK		
5	1	062759	RETAINING RING		
4	1	062849	PISTON		
3	1	062848	BEARING - SPECIAL		
2	1	062761	SEAL- POLYPAK	5/8 x 7/8 x 3/16	
1	1	062851	BODY		

TOLERANCES, U.N.O.
FRACTIONS ± 1/32 ANGLES ± ½°
DECIMALS: .xxxx ± 0.0005
.xxx ± 0.005
.xx ± 0.010

MATERIAL

HEAT TREAT

FINISH

062837 | 4900E / 4900B
NEXT ASSY | USED ON
APPLICATION

DRAWN 1-7-91 MR
CHK'D
ENGR.
APP'D
TOOL NO.
GAGE NO.
MFG DEPT.

Getinge/Castle, Inc.

ASS'Y - H.P. COMPACT PUMP

SCALE FULL & NOTED | SIZE D | DWG. 062850
DATE

Figure 9 #062850

DRAWING NO. 063860-□
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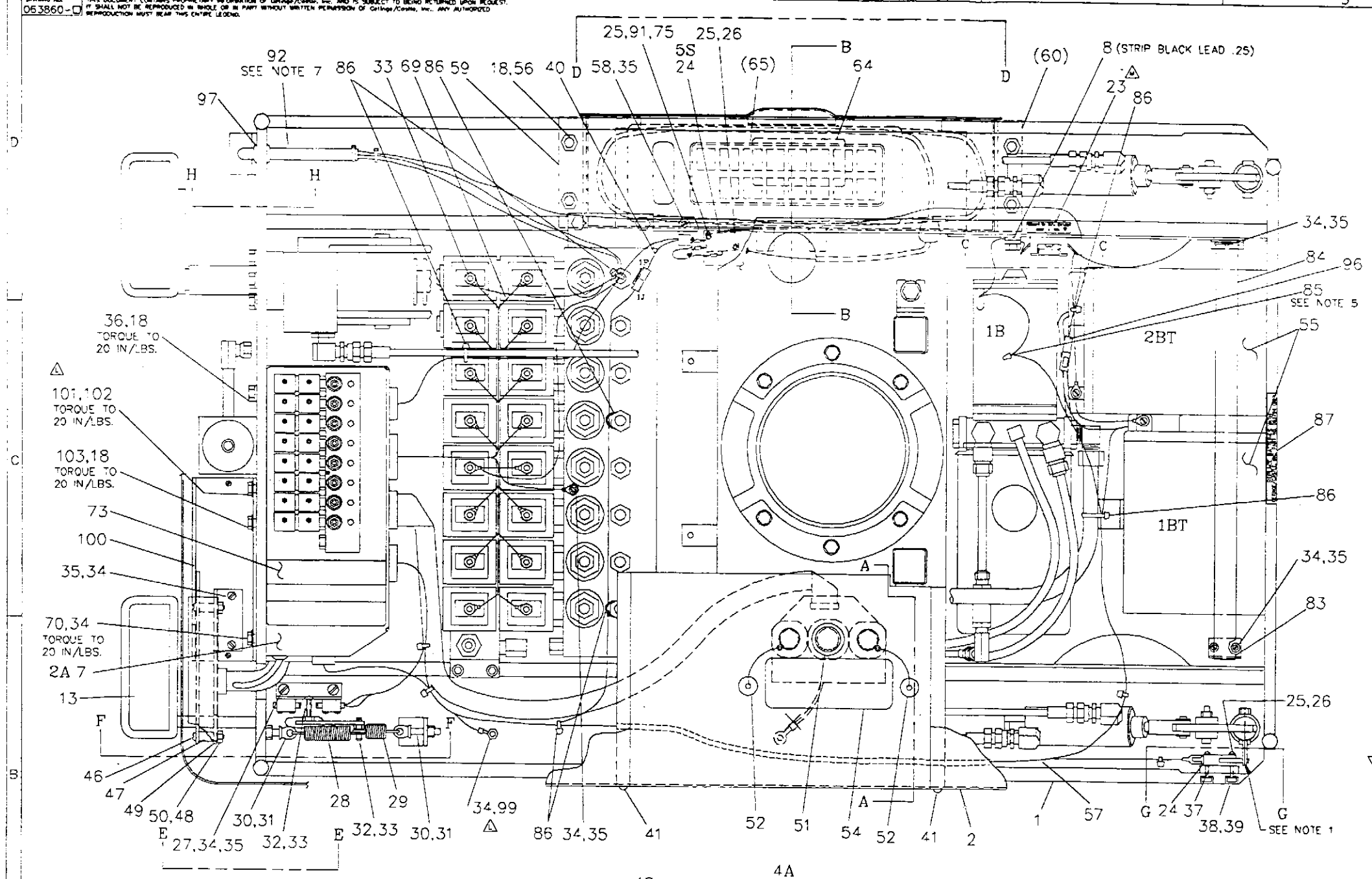


NOTES:

1) WHEN TOTAL PIN TRAVEL OF 1 1/32 ±1/32 IS ACHIEVED, ADJUST THE PIN POSITION BY LOOSENING JAM NUT & ROTATING THE PISTON ROD TO ASSURE FULL ACTIVATION OF SWITCH, ITEM 24. AFTER ADJUSTMENT, TIGHTEN THE JAM NUT AGAINST THE CLEVIS. WHEN PIN IS IN LOWER POSITION, THE SWITCH LEAF SHOULD HAVE .010 TO .030 OF FREE MOVEMENT.

2) ASSEMBLY PROCEDURE FOR DRAWER LATCH

2A) ASSEMBLE ITEM 6 (KEEPER #063075) TO THE REAR OF ITEM 62 (DRAWER ASSEMBLY #063117) USING ITEMS 26, 25 AND 75 AS REQUIRED AND TIGHTEN.

2B) ASSEMBLE ITEM 5 (BRACKET #063231) AND ITEM 6 (CATCH #063075) USING ITEMS 26, 25 AND 75. DO NOT TIGHTEN SECURELY AT THIS TIME.

2C) POSITION THE DRAWER IN THE BASE ASSY IN THE FULL CLOSED POSITION AND ATTACH THE BRACKET & CATCH TO THE DRAWER KEEPER.

2D) ALIGN THE #10-32 HOLES IN THE BASE WITH THE SLOTS IN THE BRACKET AND SECURE USING ITEMS 34 & 35.

2E) TIGHTEN ALL REMAINING HARDWARE AS REQUIRED

3) ASSEMBLY PROCEDURE FOR DRAWER SWITCH, ITEM 24.

3A) WITH ITEM 62 (DRAWER ASSY) IN THE FULL CLOSED POSITION, ASSEMBLE ITEM 24 (SWITCH) TO ITEM 5 (BRACKET) USING ITEMS 91, 25, AND 75. DO NOT TIGHTEN SECURELY AT THIS TIME.

3B) CONNECT METER TO LEADS IN PLUG 1P, POSITION 1 & 3.

3C) POSITION ITEM 24 (SWITCH) SO THAT THE ACTUATOR MAKES CONTACT WITH THE REAR OF ITEM 62 (DRAWER ASSY) UNTIL THE ACTUATOR COMPLETES THE CIRCUIT.

3D) TIGHTEN ITEMS 91, 25, AND 75 SECURELY.

3E) OPEN & CLOSE ITEM 62 (DRAWER ASSY) TO CHECK FOR PROPER ACTUATION OF ITEM 24 (SWITCH).

4) FOR ELECTRICAL CONNECTIONS REFER TO WIRING DIAGRAM 063157.

▽▽ 5) DOUBLE CRIMP WITH PANDUIT TOOL CT-550 AND WRAP WIRE JOINT AND LEADS WITH 3 LOOPS OF ELECTRICAL INSULATING TAPE.

6) BEND AND DRESS WIRES GOING TO 1S & 2S AS CLOSE AS POSSIBLE TO SWITCH ANGLE. (ITEM 27). WIRES MUST BE KEPT AWAY FROM FOOT PEDAL MECHANIZMS.

7) EFFECTIVITY NOTE: CONTROL ASSY (LV BOX 063123/4900B OR 063245/4900E) MUST CONTAIN PC BOARD 063082 REV. N OR LATER FOR COMPATIBILITY WITH SVC. SWITCH.

▽ 8) SHOWN ON DRAWING FOR LOCATION ONLY. PARTS INCLUDED IN 4900B LABEL PACKAGE. (063351-DOM,063353-INTL). SEE 062866-01 FOR FIRM CALLOUT OF PROPER PACKAGE.

▽ 9) 062860 (UL CONFIG): ITEM 7 IS 063123
062860-01 (CSA CONFIG): ITEM 7 IS 063123-01

▽10) INSPECT PCB FOR PROPER FLUSH CUTTING OF SOLDER CONNECTIONS. BLOW OUT ANY DEBRIS FROM PCB ASSY RIGHT BEFORE ASSEMBLING TO THE BASE.

▽ 11) ALTERNATE SUPPLIERS EXIST FOR ITEM 52, 063120 CAP. AS APPEARANCE IS DIFFERENT. DO NOT MIX BRANDS ON A TABLE.

30	2	054030	ADJUSTING SCREW	STL.	RAW
29	1	061947	SPRING	MUSIC WIRE	ZN.
28	1	051946	SPRING	MUSIC WIRE	ZN.
27	1	061841	ANGLE, SWITCH MOUNT		
26	8	063251	SCREW, MACH., PAN HD., PHIL. 4-40 x 3/8	STL.	ZINC
25	16	061935	LOCKWASHER, INT., #4	STL.	ZN.
24	5	061710	SWITCH		
▽ 23	1	NOTE 8	LABEL, FUSE RATING BATTERY		
22	1	100358	LOCKWASHER, INT., #8	STL.	CAD.
21	2	104247	LOCKWASHER, SPLIT, 5/16D	STL.	CAD.
20	2	101243	SCREW, MACH, HEX. HD., 5/16-18 X 3/4	STL.	CAD.
19	4	100389	SCREW, CAP, SOC. HD., 1/4-20 X 1 1/2	STL.	ZN.
18	11	103647	LOCKWASHER, INT, 1/4	STL.	CAD.
17	A/R	036137	GREASE		
16	1	034012	NUT, FLEXLOC, THIN 5/16-18	STL.	CAD.
15	1	105685	WASHER, FLAT, 3/8 SAE	STL.	CAD.
14	1	061934	SCREW, SHOULDER, 3/8 X 1-1/2	STL.	CAD.
13	1	062291	TREAD, PEDAL		
12	2	061842	PIVOT LUG		
11	1	061845	SWITCH PEDAL ASSY		
10	1	062213-01	PEDAL		
▽ 9	1	062334	STRAIN RELIEF HEYCO #SP-4		
8	1	062646-07	TERMINAL, RING, 14-16AWG		
▽ 7	1	NOTE 9	CONTROL ASSY		
6	1	063075	CATCH, DOOR GRABBER		
5	1	063231	BRACKET, LATCH/SWITCH		
4	1	063092	POWER MODULE ASSY		
▽ 3	1	062681	LOWER BASE COVER ASSY		
2	1	062684-01	BASE COVER ASSY		
1	1	062857	BASE ASSY, HYD. & MECH.		
ITEM #	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN

LIST OF MATERIAL

SYM	ECO#	DATE	NAME	REVISION
F	16001	6/10/93	JDV	
E	15939	4/8/93	MT	
D	15902	10/28/92	MT	
C	15877	8/18/92	SDL	
B	15869	8/27/92	DC	
A	15854	4/27/92	SDL	
REL	15849	3/31/92	LH	

MASTER

SYM	ECO#	DATE	NAME	REVISIONS (CONT'D)
V	20750	2/4/99	MAB	MOVED ITEM #23
L	20395	2/3/96	MAB	
K	20107	5/16/95	JM	
J	16123	4/28/94	KG	
I	16108	4/8/94	KG	
H	16043	11/8/93	JM	
G	16038	10/21/93	JM	

MASTER

APPLICATION: NEXT ASSY	MATERIAL: SEE ABOVE	DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED:	DRAWN: SDL 1/6/92
062860	FINISH:	TWO DECIMAL PLACES ±	APPROVED
062863-01		THREE DECIMAL PLACES ±	APPROVED
062860-01		ANGLES ±	CAD DWG. NAME: 063860D
062863-01B		ALL HOLES	SHEET 1 OF 2
		FRACTIONS ±	SCALE: NONE
		PRODUCT: TABLES	
		REFERENCE DRAWINGS	

Getinge/Castle, Inc.

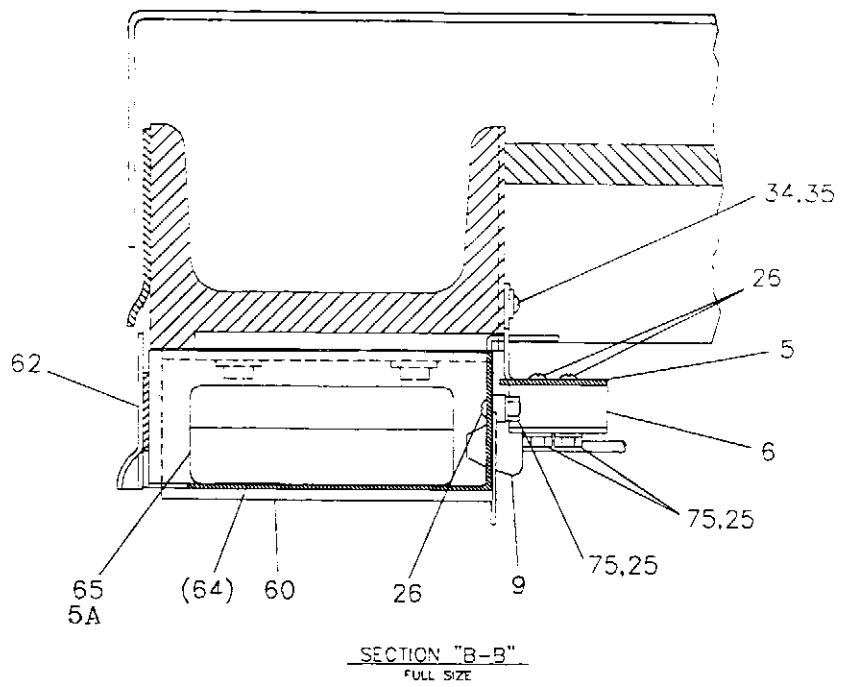
TITLE: BASE ASS'Y, ELECTRIACL, 4900B

SIZE: D | DRAWING NO.: 062860-□ | REV: V

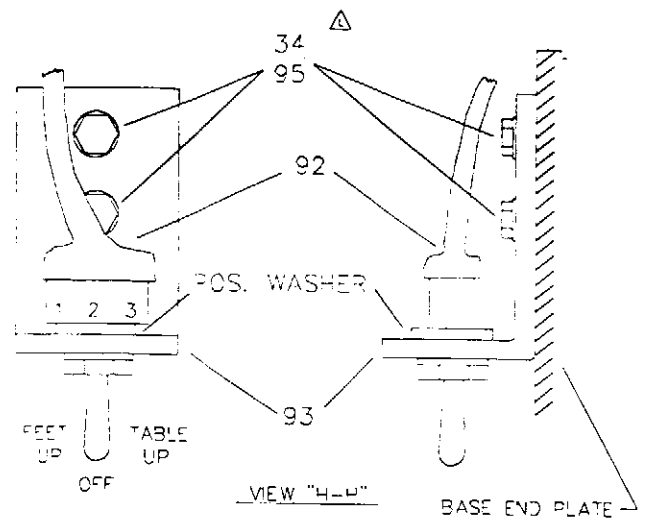
SHEET 2 IS "D" SIZE

Figure 10 #062860 1 of 2

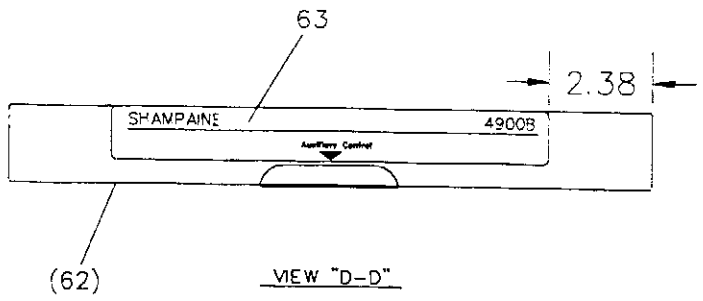
DRAWING NO. 062860-□ THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.



SECTION "B-B"
FULL SIZE



VIEW "H-H"



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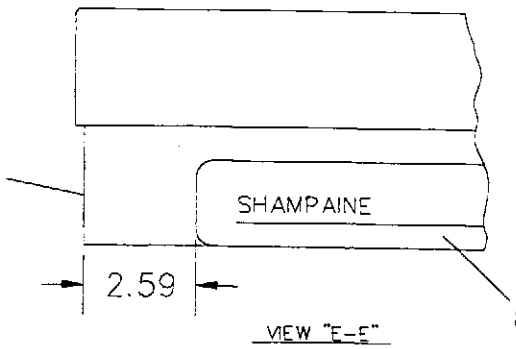
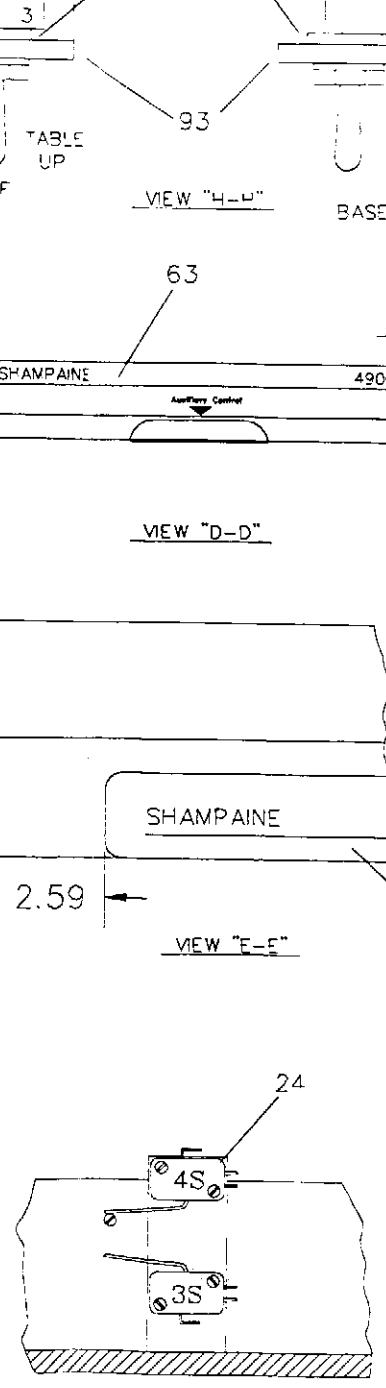
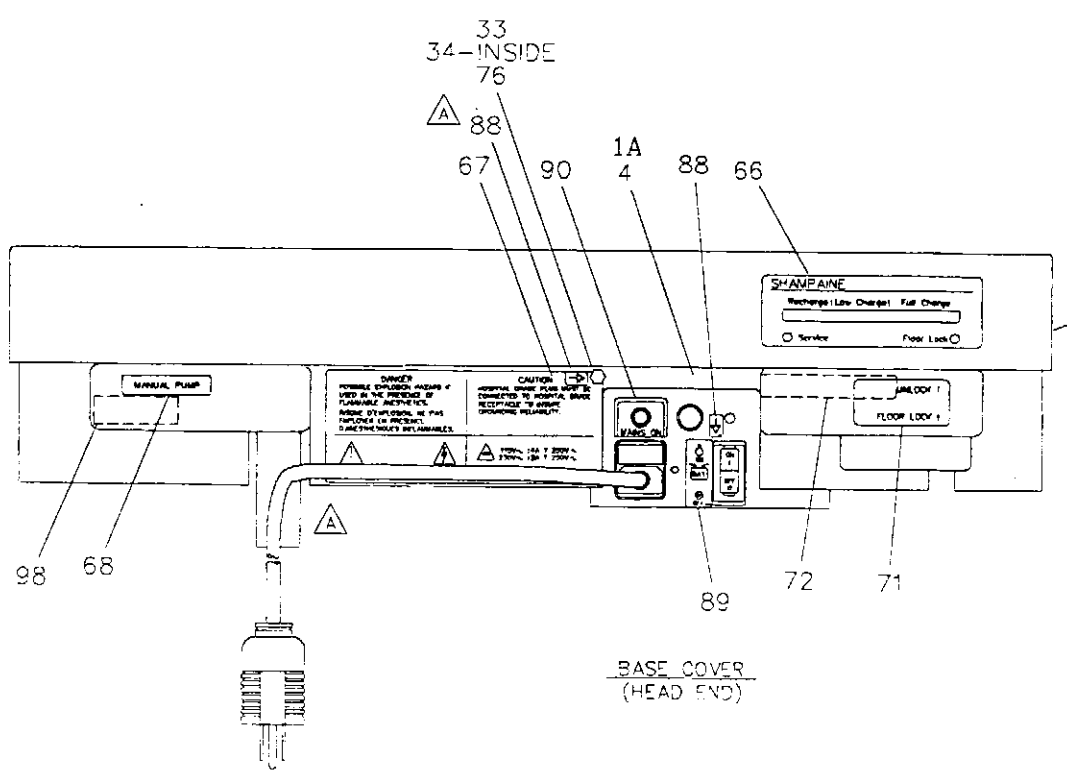


VIEW "E-E"



VIEW "G-G"



BASE COVER
(HEAD END)

"POWER CORD - SEE DRAWING 063293 FOR REFERENCE CALL OUT."

ITEM NO	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
103	1	051563	SCREW-HEX HD CAP .25-20x1		
102	1	100360	LOCKWASHER, INT .31		
101	*	103723	SCREW-HEX HD MACH. .31-18x.50		
100	*	302568	SUPPORT-J BOX (UNIV. BASE-4900)		
99	1	101046	SCREW-RD HD MACH. #10-32x3/8		
98	*	063408	LABEL, SERVICE SWITCH		
97	1	063409	GROMMET, RUBBER		
96	*	053412	FUSE-FAST, 2A		
95	2	033895	#10-32X1/2 HEX HD MACHINE SCREW	STL	CAD.
94	2	104352	#10 INT TTH LOCKWASHER	STL	CAD.
93	*	063347	BRACKET, SERVICE SWITCH		
92	*	063346-0*	SERVICE SWITCH ASSY.		
91	*0	035405	SCREW, MACH, RD HD 4-40 X 5/8	STL	CAD.
90	*	NOTE 8	LABEL, VANS		
89	*	NOTE 8	LABEL, BATTERY ON-OFF		
88	2	NOTE 8	LABEL, EQUIPOTENTIAL		
87	*	NOTE 8	LABEL, BATTERY REPLACEMENT		
86	5	051846	CABLE TIE, SMALL		
85	*	053707	WIRE JOINT, WHITE		
84	*	063267	STRAP ASSY, BATTERY		
83	*	053258	BUCKLE ASSY, BATTERY		
82	*	NOTE 8	LABEL, TABLE BASE		
81	1	053218	FUSE, 15 AMP		
80	1	101126	SCREW, #6-32 X 1/4 LG.		
79	1	053219	BLOCK ASSY, FUSE		
78	*	063217	SHIELD, DISPLAY BOARD		
76	1	062838	POST, GROUNDING		
75	7	104568	NUT, HEX, #4-40	STL	CAD.
74	1	103725	NUT, HEX., #8-32	STL	CAD.
73	*	062932	LABEL, CONNECTION DIAGRAM - SOL VALVES		
72	1	NOTE 8	LABEL, PEDAL, SWITCH		
71	1	NOTE 8	LABEL, FLOOR LOCK		
70	1	302677	SCREW, HEX. HD., MACH., #10-32 X 3/4 LG.		
69	1	063162	HARNESS ASSY, SOLENOID		
68	1	NOTE 8	LABEL, PUMP, MANUAL		
67	1	NOTE 8	LABEL, DANGER/CAUTION		
66	1	NOTE 8	LABEL, BATTERY DISPLAY		
65	1	063131	PENDANT ASSY - EMERGENCY		
64	1	NOTE 8	LABEL, EMERGENCY DRAWER		
63	1	NOTE 8	LABEL, AUX. DRAWER		
62	1	063117	DRAWER ASSY		
60	1	062328-0*	TRACK, L.H.		
59	1	062328-02	TRACK, R.H.		
58	1	054920	CABLE CLAMP, 3/8D.	NYLON	
57	1	063144	HARNESS ASSY		
56	4	104386	SCREW, MACH., HEX. HD., 1/4-20 X 1/2	STL	CAD.
55	2	062794	BATTERY, 12V		
54	1	SEE NOTE 8	LABEL, PENDANT CAPS		
53	1	063070	PCB CONNECTOR ASSY		
SEE NOTE 11 52	2	063120	CAP RECEPTACLE		
51	1	063073	WASHER TRIM		
50	4	100608	NUT, HEX., #6-32		
49	1	063072	BRACKET, DISPLAY BOARD		
48	4	103460	WASHER, INT. TOOTH, #6		
47	4	063071	SPACER, PC BOARD		
46	4	103743	SCREW, RD. HD., #6-32 X 1.00		
45	1	063068	DISPLAY BOARD ASSY		
44	2	100838	LOCKWASHER, SPLIT, 3/8D	STL	CAD.
43	4	106202	NUT, HEX. JAM, 3/8-16	STL	CAD.
42	2	034064	SCREW, RUBBER HD., 1/4-20 X 1 3/4	STL	ZN.
41	2	062404	SCREW, SH. MTL., #8 X 1/4	STL	CHR.
40	1	063230	HARNESS ASSY, DRAWER		
39	2	053473	SCREW, SOC. HD., 10-32 X 1/2	STL	CAD.
38	2	100956	LOCKWASHER, SPLIT, #10	STL	CAD.
37	*	061927	PLATE, SWITCH		
36	2	104124	SCREW, CAP HEX. HD., 1/4-20 X 3/4	STL	CAD.
35	12	105666	SCREW, MACH., TR. HD., 10-32 X 3/8	SST	
34	16	104352	LOCKWASHER, INT., #10	STL	CAD.
33	20	100626	NUT, HEX., #10-32	STL	CAD.
32	2	059465	SCREW, MACH., RD. HD., 10-32 X 3/4	STL	ZN.
31	2	100929	NUT, HEX, 1/4-20	STL	CAD.

LIST OF MATERIALS

APPLICATION: NEXT ASSY | MATERIAL: SEE ABOVE | FINISH: | DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.01, THREE DECIMAL PLACES ±.005, ANGLES ±1°, ALL HOLES, FRACTIONS ±1/64, PHENOLIC TABLES | REFERENCE DRAWINGS:

DRAWN SDL 1/6/92 | APPROVED | APPROVED | CAD DWG. NAME 062860D2 | SHEET 2 OF 2 | SCALE NONE

Getinge/Castle, Inc.

TITLE: BASE ASSY, ELECTRICAL, 4900B | SIZE D | DRAWING NO. 062860-□ | REV M | SHEET 1 OF 2 IS "D" SIZE

SEE SHEET 1 FOR REV.'S

SYM	ECO#	DATE	NAME	REVISION	MASTER

Figure 10 #062860

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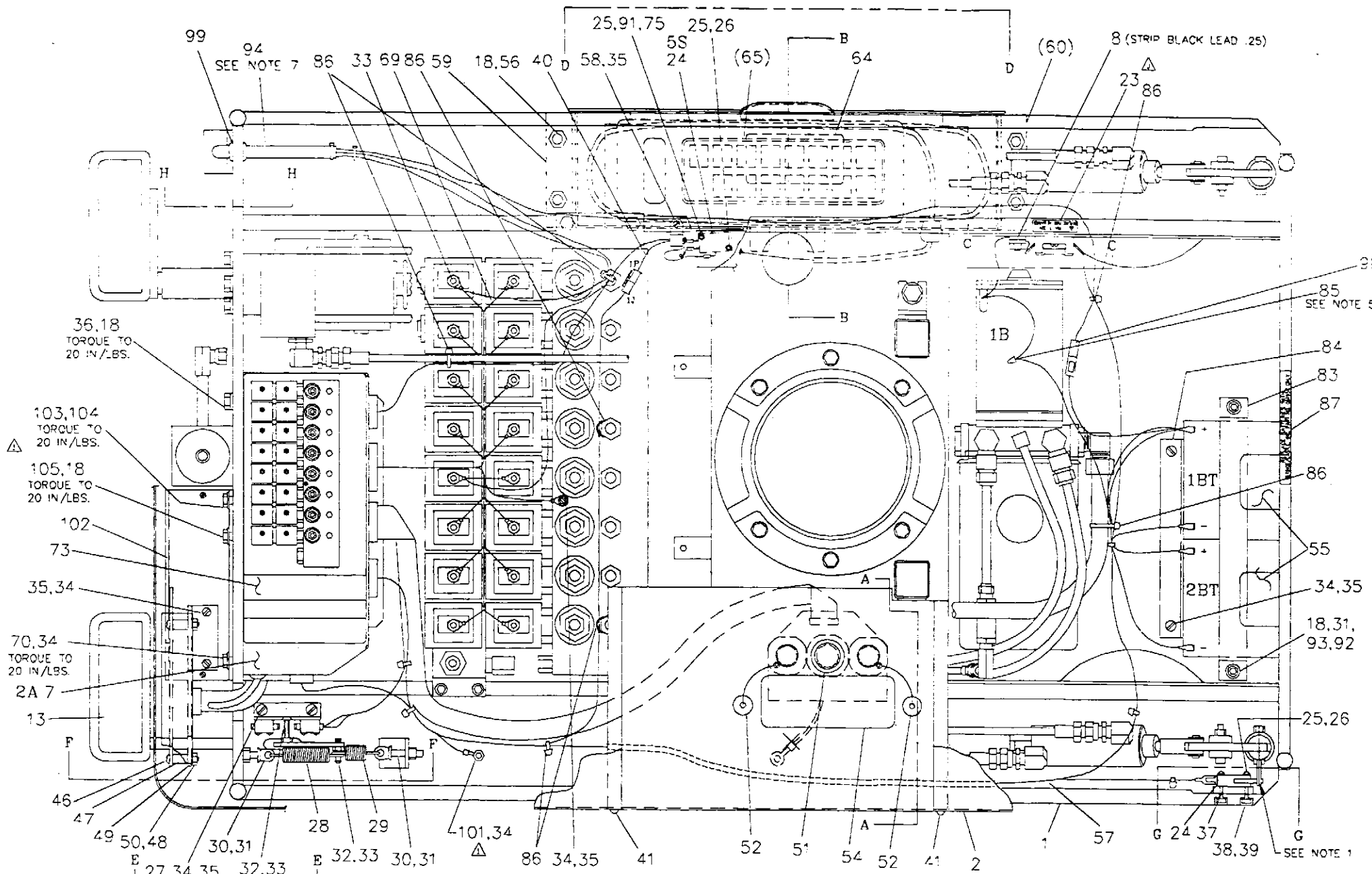
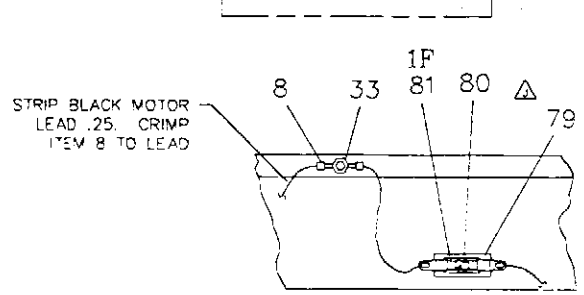
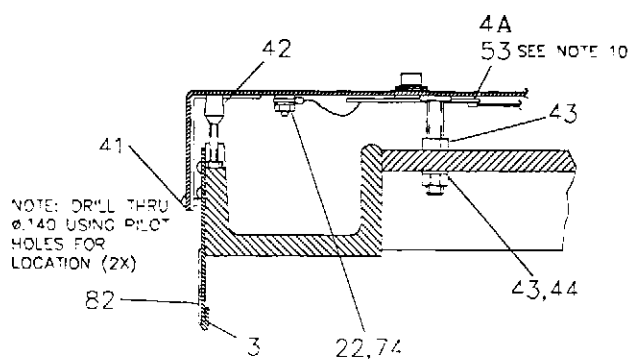
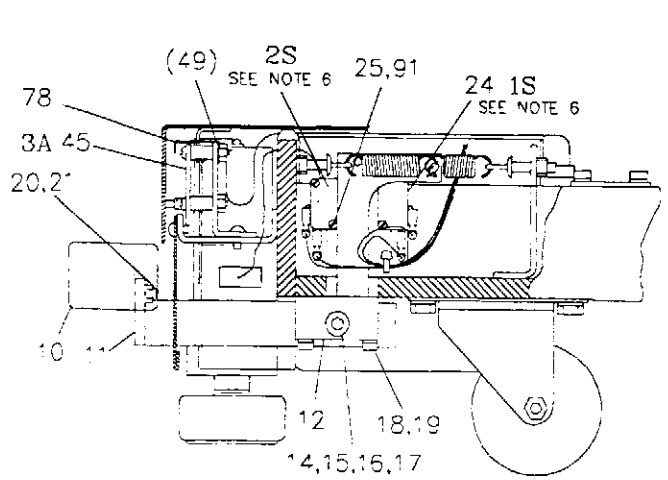




VIEW "C-C"



SECTION "A-A"



SECTION "E-E"

NOTES:

1) WHEN TOTAL PIN TRAVEL OF 1 1/32 ±1/32 IS ACHIEVED, ADJUST THE PIN POSITION BY LOOSENING JAM NUT & ROTATING THE PISTON ROD TO ASSURE FULL ACTIVATION OF ITEM 24 (SWITCH). AFTER ADJUSTMENT, TIGHTEN THE JAM NUT AGAINST THE CLEVIS. WHEN PIN IS IN LOWER POSITION, THE SWITCH LEAF SHOULD HAVE .010 TO .030 OF FREE MOVEMENT.

2) ASSEMBLY PROCEDURE FOR DRAWER LATCH

2A) ASSEMBLE ITEM 6 (KEEPER #063075) TO THE REAR OF ITEM 62 (DRAWER ASSEMBLY #063117) USING ITEMS 26, 25 AND 75 AS REQUIRED AND TIGHTEN.

2B) ASSEMBLE ITEM 5 (BRACKET #063231) AND ITEM 6 (CATCH #063075) USING ITEMS 26, 25 AND 75. DO NOT TIGHTEN SECURELY AT THIS TIME.

2C) POSITION THE DRAWER IN THE BASE ASSY IN THE FULL CLOSED POSITION AND ATTACH THE BRACKET & CATCH TO THE DRAWER KEEPER.

2D) ALIGN THE #10-32 HOLES IN THE BASE WITH THE SLOTS IN THE BRACKET AND SECURE USING ITEMS 34 & 35.

2E) TIGHTEN ALL REMAINING HARDWARE AS REQUIRED.

3) ASSEMBLY PROCEDURE FOR DRAWER SWITCH, ITEM 24

3A) WITH ITEM 62 (DRAWER ASSY) IN THE FULL CLOSED POSITION, ASSEMBLE ITEM 24 (SWITCH) TO ITEM 5 (BRACKET) USING ITEMS 91, 25, AND 75. DO NOT TIGHTEN SECURELY AT THIS TIME.

3B) CONNECT METER TO LEADS IN PLUG 1P, POSITION 1 & 3.

3C) POSITION ITEM 24 (SWITCH) SO THAT THE ACTUATOR MAKES CONTACT WITH THE REAR OF ITEM 62 (DRAWER ASSY) UNTIL THE ACTUATOR COMPLETES THE CIRCUIT.

3D) TIGHTEN ITEMS 91, 25, AND 75 SECURELY.

3E) OPEN & CLOSE ITEM 62 (DRAWER ASSY) TO CHECK FOR PROPER ACTUATION OF ITEM 24 (SWITCH).

4) FOR ELECTRICAL CONNECTIONS REFER TO WIRING DIAGRAM 063157.

⚠⚠ 5) DOUBLE CRIMP WITH PANDUIT TOOL GT-550 AND WRAP WIRE JOINT AND LEADS WITH 3 LOOPS OF ELECTRICAL INSULATING TAPE.

6) BEND AND DRESS WIRES GOING TO 1S AND 2S AS CLOSE AS POSSIBLE TO SWITCH ANGLE (ITEM 27). WIRES MUST BE KEPT AWAY FROM FOOT PEDAL MECHANISMS.

7) EFFECTIVITY NOTE: CONTROL ASSY (LV BOX 063123/4900B OR 063245 4900E) MUST CONTAIN PC BOARD 063082 REV. N OR LATER FOR COMPATIBILITY WITH THE SVC. SWITCH.

⚠ 8) SHOWN FOR LOCATION ONLY. PARTS INCLUDED IN 4900E LABEL PKG. (063352-DOM,063354-INT). SEE 062866-02 FOR PROPER PKG. WITH INDIVIDUAL NUMBERS.

⚠ 9) 062861 (UL CONFIG) ITEM 7 IS 063245
062861-01 (CSA CONFIG) ITEM 7 IS 063245-01

⚠ 10) INSPECT PCB FOR PROPER FLUSH CUTTING OF SOLDER CONNECTIONS. BLOW OUT ANY DEBRIS FROM PCB ASSY RIGHT BEFORE ASSEMBLING TO THE BASE.

⚠ 11) ALTERNATE SUPPLIERS EXIST FOR ITEM 52, 063120 CAP, AS APPEARANCE IS DIFFERENT, DO NOT MIX BRANDS ON A TABLE.

ITEM #	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
30	2	054030	ADJUSTING SCREW	STL.	RAW
29	1	061947	SPRING	MUSIC WIRE	ZN.
28	1	061946	SPRING	MUSIC WIRE	ZN.
27	1	061841	ANGLE, SWITCH MOUNT		
26	8	063251	SCREW, MACH., PAN HD., 4-40 X 3/8	STL.	ZN.
25	16	061935	LOCKWASHER, INT., #4	STL.	ZN.
24	5	061710	SWITCH		
⚠ 23	1	NOTE 8	LABEL, FUSE RATING BATTERY		
22	1	100358	LOCKWASHER, INT., #8	STL.	CAD.
21	2	104247	LOCKWASHER, SPLIT, 5/16D	STL.	CAD.
20	2	101243	SCREW, MACH, HEX. HD., 5/16-18 X 3/4	STL.	CAD.
19	4	100389	SCREW, CAP, SOC. HD., 1/4-20 X 1 1/2	STL.	ZN.
18	11	103647	LOCKWASHER, INT. 1/4	STL.	CAD.
17	A/R	036137	GREASE		
16	1	034012	NUT, FLEXLOC, THIN 5/16-18	STL.	CAD.
15	1	105685	WASHER, FLAT, 3/8 SAE	STL.	CAD.
14	1	061934	SCREW, SHOULDER, 3/8 X 1-1/2	STL.	CAD.
13	1	062291	TREAD, PEDAL		
12	2	061842	PIVOT LUG		
11	1	061845	SWITCH PEDAL ASSY		
10	1	062213-01	PEDAL		
⚠ 9	1	062334	STRAIN RELIEF HEYCO #SP-4		
8	1	062646-07	TERMINAL, RING, 14-16AWG		
⚠ 7	1	NOTE 9	CONTROL ASSY		
6	1	063075	CATCH, DOOR GRABBER		
5	1	063231	BRACKET, LATCH/SWITCH		
4	1	063092	POWER MODULE ASSY		
⚠ 3	1	062681	LOWER BASE COVER ASSY		
2	1	062684-01	BASE COVER ASSY		
1	1	062857	BASE ASSY, HYD. & MECH.		

LIST OF MATERIALS

REV	ECO#	DATE	NAME	REVISION	MASTER
F	16108	4/8/94	JKG		
E	16043	11/5/93	JDM		
D	16038	10/21/93	JDM		
C	16001	6/30/93	JDM		
B	15938	1/5/93	MT		
A	15902	10/20/92	MT		
PEL	15889	8/3/92	LH		
J	20750	7/3/97	MAB	MOVED ITEM #23	
I	20395	2/21/96	MAB		
H	20102	5/10/95	JDM		
G	16123	4/27/94	JKG		

APPLICATION: NEXT ASSY
MATERIAL: SEE ABOVE
062861-01: 062863-02
062861-01: 062863-02H
FINISH
DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.01, THREE DECIMAL PLACES ±.005, ANGLES ±1°, ALL HOLES ±.005, FRACTIONS ±1/64
DRAWN: SDL 4/23/92
APPROVED
CHANGED
CAD DWG NAME: 0628610
PROJECT: TABLES
REFERENCE DRAWINGS
SHEET 1 OF 2
SCALE: NONE
TITLE: BASE, ASS'Y., ELECTRICAL, 4900
SIZE: D
DRAWING NO.: 062861-□
REV: J
Getinge/Castle, Inc.
SHEET 2 OF 2 IS "D" SIZE

Figure 11 #062861 1 of 2

DRAWING NO. 062861-C
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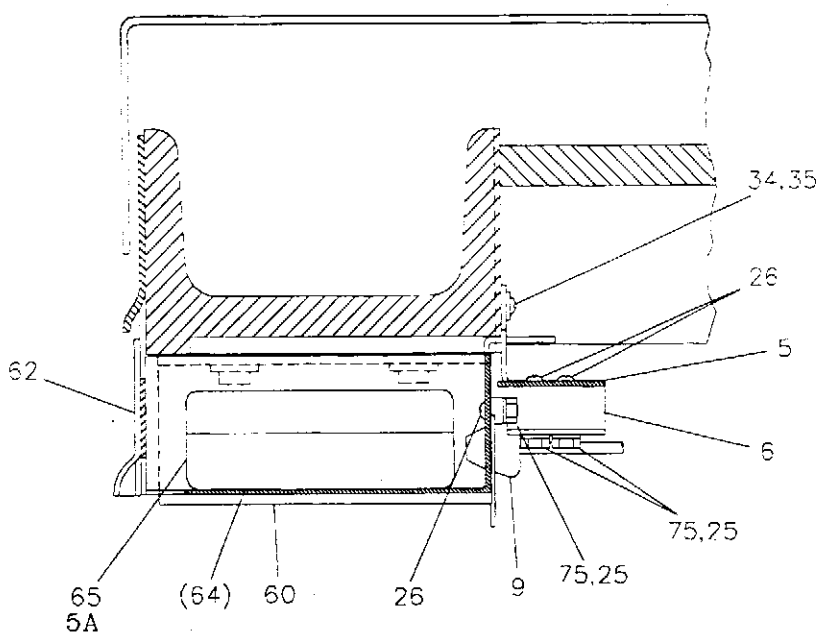
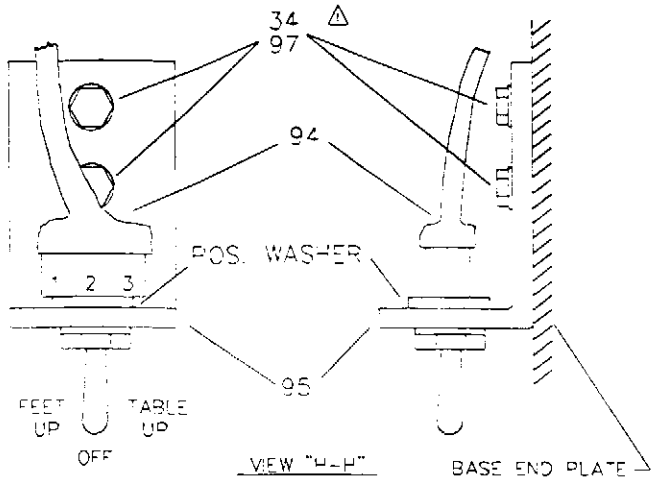
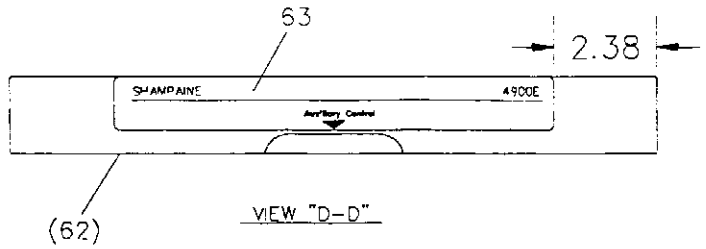


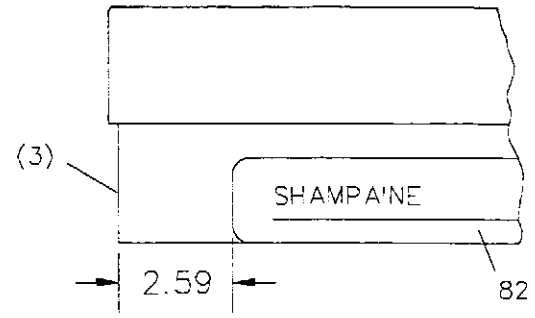
SECTION "B-B"
FULL SIZE



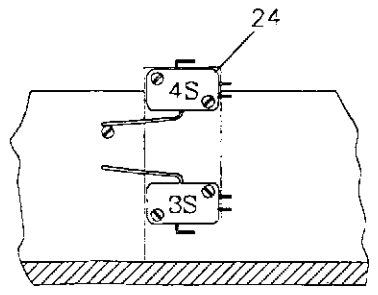
VIEW "H-H"



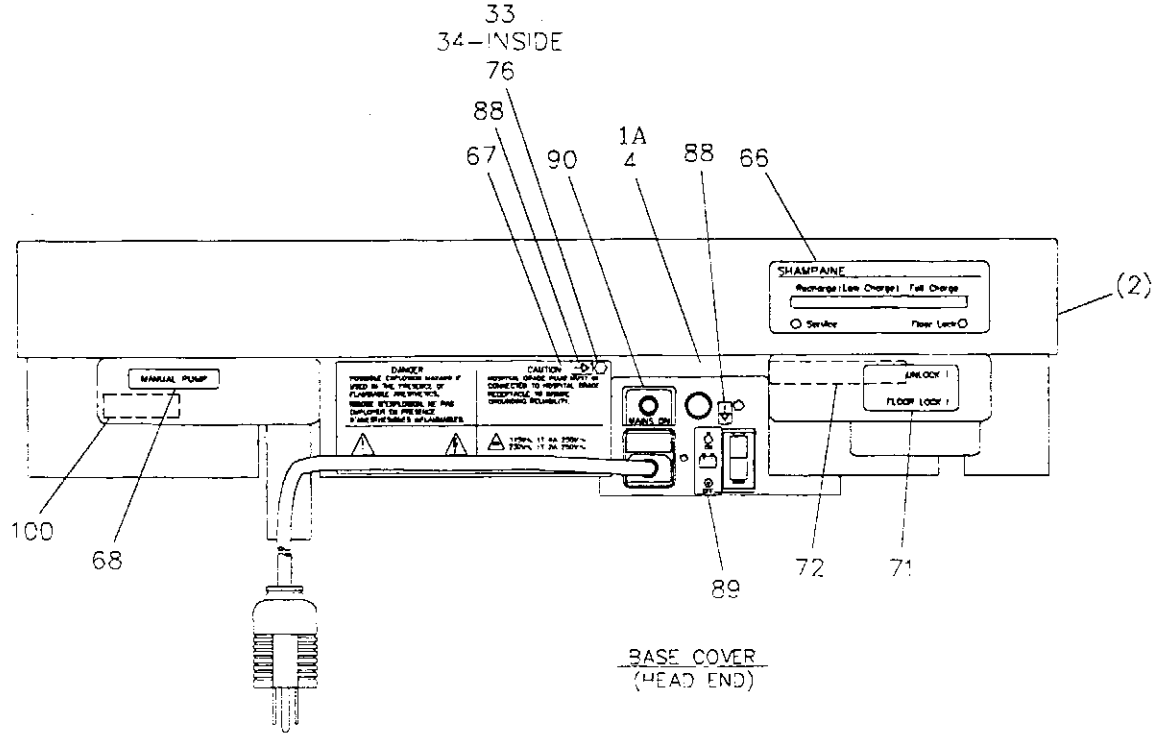
VIEW "D-D"



VIEW "E-E"



VIEW "G-G"



BASE COVER
(HEAD END)

"POWER CORD - SEE DRAWING 063293 FOR REFERENCE CALL OUT."

(LIST OF MATERIALS CONT'D IN ZONE "5-A")

ITEM #	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
100	1	063408	LABEL, SERVICE SWITCH		
99	1	063409	GROMMET, RUBBER		
98	1	063412	FUSE-FAST, 2A		
97	2	033895	#10-32X1/2 HEX HD MACH. SCREW		
96	2	104352	#10 INT. TYP. LOCKWASHER		
95	1	063347	BRKT-SERVICE SWITCH		
94	1	063345-02	SERVICE SWITCH ASSY.		
93	2	100346	WASHER, FLAT		
92	2	062909	SCREW, HEX HD, 1/4-20 X 5		
91	10	035406	SCREW, MACH., RD. HD., #4-40 X 5/8		
90	1	NOTE 8	LABEL, MAINS		
89	1	NOTE 8	LABEL, BATTERY ON-OFF		
88	2	NOTE 8	LABEL, EQUIPOTENTIAL		
87	1	NOTE 8	ABEL, BATTERY REPLACEMENT, 4900E		
86	7	061946	CABLE TIE, SMALL		
85	1	053707	WIRE JOINT, WHITE		
84	1	062758	ANGLE, BATTERY		
83	1	062901	RETAINER, BAR		
82	1	NOTE 8	LABEL, TABLE BASE, 4900E		
81	1	063218	FUSE, 15 AMP		
80	1	101126	SCREW, #6-32 X 1/4 LG.		
79	1	063246	BLOCK ASSY, FUSE, 4900E		
78	1	063217	SHIELD, DISPLAY BOARD		
77					
76	1	062838	POST, GROUNDING		
75	8	104568	NUT, HEX, #4-40	STL.	CAD.
74	1	103725	NUT, HEX., #8-32	STL.	CAD.
73	1	062932	LABEL, CONNECTION DIAGRAM - SOL VALVES		
72	1	NOTE 8	LABEL, PEDAL, SWITCH		
71	1	NOTE 8	LABEL, FLOOR LOCK		
70	1	302677	SCREW, HEX HD. MACH., #10-32 X 3/4 LG		
69	1	063162	HARNESS ASSY, SOLENOID		
68	1	NOTE 8	LABEL, PUMP, MANUAL		
67	1	NOTE 8	LABEL, DANGER/CAUTION		
66	1	NOTE 8	LABEL, BATTERY DISPLAY		
65	1	063131	PENDANT ASSY - EMERGENCY		
64	1	NOTE 8	LABEL, EMERGENCY, DRAWER		
63	1	NOTE 8	DECAL, AUX, DRAWER, 4900E		
62	1	063117	DRAWER ASSY		
60	1	062328-01	TRACK, L.H.		
59	1	062328-02	TRACK, R.H.		
58	1	054920	CABLE CLAMP, 3/8D.	NYLON	
57	1	063247	HARNESS ASSY, 4900E		
56	4	104386	SCREW, MACH., HEX. HD., 1/4-20 X 1/2	STL.	CAD.
55	2	061957	BATTERY, 12V		
54	1	NOTE 8	LABEL, PENDANT CAPS		
53	1	063070	PCB CONNECTOR ASSY		
52	2	063120	CAP RECEPTACLE		
51	1	063073	WASHER TRIM		
50	4	100608	NUT, HEX., #6-32		
49	1	063072	BRACKET, DISPLAY BOARD		
48	4	103450	WASHER, INT. TOOTH, #6		
47	4	063071	SPACER, PC BOARD		
46	4	103743	SCREW, RD. HD., #6-32 X 1.00		
45	1	063068	DISPLAY BOARD ASSY		
44	2	100838	LOCKWASHER, SPLIT, 3/8D	STL.	CAD.
43	4	106202	NUT, HEX. JAM, 3/8-16	STL.	CAD.
42	2	034064	SCREW, RUBBER HD., 1/4-20 X 1 3/4	STL.	ZN.
41	2	062404	SCREW, SH. MTL., #8 X 1/4	STL.	CHR.
40	1	063230	HARNESS ASSY, DRAWER		
39	2	053473	SCREW, SOC. HD., 10-32 X 1/2	STL.	CAD.
38	2	100916	LOCKWASHER, SPLIT, #10	STL.	CAD.
37	1	051927	PLATE, SWITCH		
36	2	104124	SCREW, CAP HEX. HD., 1/4-20 X 3/4	STL.	CAD.
35	11	105666	SCREW, MACH., TR. HD., 10-32 X 3/8	SST.	
34	15	104352	LOCKWASHER, INT., #10	STL.	CAD.
33	21	100526	NUT, HEX., #10-32	STL.	CAD.
32	2	059465	SCREW, MACH., RD. HD., 10-32 X 3/4	STL.	ZN.
31	4	100929	NUT, HEX, 1/4-20	STL.	CAD.

SEE NOTE 11

ITEM NO	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
105	1	051563	SCREW-HEX HD CAP .25-20x1		
104	1	100360	LOCKWASHER-INT .31		
103	1	103723	SCREW-HEX HD MACH, .31-18x.5		
102	1	302668	SUPPORT-J BOX (UNIV BASE-4900)		
101	1	101045	SCREW-RD HD MACH, #10-32x.38		

(LIST OF MATERIALS CONT'D FROM ZONE "2-D")

LIST OF MATERIALS

APPLICATION: NEXT ASSY
MATERIAL: SEE ABOVE
FINISH:
DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: NO DECIMAL PLACES ±.010; THREE DECIMAL PLACES ±.005; ANGLES ±0°-1/2'; ALL HOLES ±.005"; FRACTIONS ±1/32
DRAWN: SCH 4/23/92
APPROVED:
CAD FILE NAME: 062861D2
PRODUCT: TABLES
REFERENCE DRAWINGS:
SHEET 2 of 2
SCALE NONE

Getinge/Castle, Inc.

TITLE: BASE, ASS'Y, ELECTRICAL, 4900E
SIZE: D
DRAWING NO.: 062861-□
REV.: J

SEE SHEET 1 FOR REV.'S

SYM	ECO#	DATE	NAME	REVISION
				MASTER

Figure 11 #062861 2 of 2

DRAWING/PART NO. 063123
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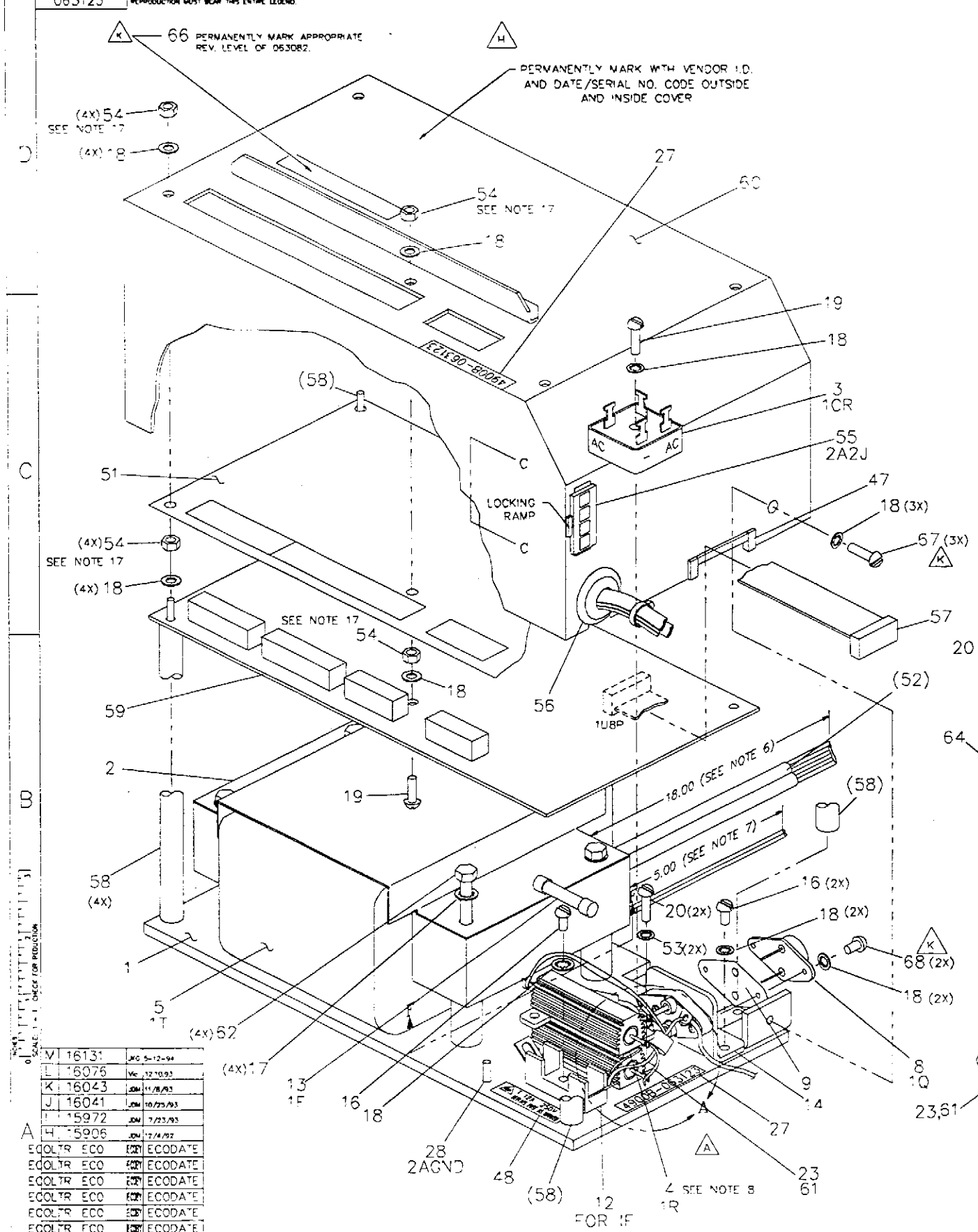

NOTE: SEE WIRE RUN LIST ON DRAWING

FOR TERMINATION & WIRE LENGTH INFORMATION

1.) CRIMP ALL TERMINALS PER U.L. STANDARD #486.
2.) ALL WIRE LENGTHS ON WIRE RUN LIST ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
3.) WIRE TOLERANCES: WIRE LENGTH, +.25,-.00
STRIP LENGTH: ±.03
4.) WHEN TWO WIRES ARE CRIMPED OR SOLDERED IN ONE TERMINAL, FOR TERMINAL AND SECOND WIRE PROCEED TO NEXT LINE ON WIRE RUN LIST.
5.) SOLDER CONNECTIONS PER U.L. STANDARD #486.
USE 60-40 RESIN CORE SOLDER.
6.) ASSEMBLE 3 TRANSFORMER WIRES INSIDE ITEM 52 (2X), SEE DETAIL F, EXCEPT FOR THE RED WIRES AND CUT TO LENGTH AS SHOWN ON DRAWING.
7.) GRASP THE TWO RED WIRES FROM THE TRANSFORMER AND CUT WIRES TO LENGTH AS SHOWN ON DRAWING.
8.) APPLY THERMAL COMPOUND (ITEM 46) TO BASE OF RESISTOR (ITEM 4).
9.) STRIP .12" THE WIRES FROM TRANSFORMER, CRIMP TERMINALS (ITEM 49) ONTO WIRES AND INSERT TERMINALS INTO HOUSING (ITEM 7) PER WIRING DIAGRAM.
A 10.) STRIP .31" BOTH RED WIRES FROM TRANSFORMER AND LEAD #28 FROM 1R (WRING RUN LIST REF. #10). CRIMP PIGGY-BACK TERMINALS (ITEM 29) ONTO ALL WIRES & ATTACH THEM TO 1CR PER WIRING DIAGRAM.
11.) REFER TO WIRING DIAGRAM FOR OTHER CONNECTIONS AT THIS TERMINAL.
12.) REFER TO WIRING DIAGRAM FOR PROPER WIRING CONNECTIONS.
13.) THIS ASSY TO BE UL LISTED & CSA CERTIFIED.
A 14.) SLIDE TUBING (ITEM 23) OVER BOTH LEADS OF 1D (ITEM 11), PRIOR TO SOLDERING FOLD LEAD ENDS BACK.
15.) SLIDE TUBING (ITEM 23) OVER LEAD OF 2R (ITEM 22) IN THIS AREA.
A 16.) SLIDE BARE LEAD (ITEM 61) THRU LUG OF FUSE BLOCK (ITEM 12) FOLD BACK END .12 & SOLDER. SLIDE TUBING (ITEM 23) 1.00 LG OVER BARE LEAD PRIOR TO SLIDING LEAD THRU LUG OF RESISTOR (ITEM 63) THEN SOLDER. SLIDE TUBING (ITEM 23) .50 LG OVER BARE LEAD PRIOR TO SLIDING LEAD THRU LUG OF RESISTOR. (ITEM 4) FOLD BACK LEAD AND SOLDER.
17.) TORQUE ITEM 54 TO 6 IN/LBS MAX.
18.) SUPPLIER TO PERFORM THE FOLLOWING TRANSFORMER TEST:
A) HIPOT TEST:
PRIMARY TO ALL: 4000 VRMS/60 HZ.
SECONDARY TO ALL: 1500 VRMS/60 HZ.
B) LEAKAGE CURRENT TEST:
LESS THAN 50uA AT 120VAC 60 HZ SINEWAVE.
19.) SLIDE TWISTED LEAD (ITEM 25) WIRE MARKED 28 FROM BRIDGE (ITEM 3) THRU HOLE IN RESISTOR (ITEM 4) AND SOLDER. WRAP RESISTOR LEAD (ITEM 22) AROUND POST OF RESISTOR (ITEM 4) AND SOLDER.
A 20.) SLIDE TUBING (ITEM 23) OVER BARE WIRE PRIOR TO SOLDERING.
A 21.) 063123 (UL CONFIG): ITEM 5 IS 063105;ITEM 27 IS 063239
063123-01 (CSA CONFIG): ITEM 5 IS 063232;ITEM 27 IS 063374
A 22.) TERMINALS TO BE INSTALLED ON PIGGY-BACK FLAGS OF OTHER TERMINALS ON 1CR PER WRING RUN LIST AND WIRING DIAGRAM.

ITEM NO	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
68	2	SUPPLIED	SCR,MACH,RND HD #6-32 X 1/2	STL	ZINC PL
67	3	SUPPLIED	SCR,MACH,RND HD #6-32 X 3/8	STL	ZINC PL
45	6	062923-28	LABEL "28"		
44	2	062923-27	LABEL "27"		
43	2	062923-26	LABEL "26"		
42	2	062923-25	LABEL "25"		
41	2	062923-24	LABEL "24"		
40	4	062923-23	LABEL "23"		
39	2	062923-22	LABEL "22"		
38	8	062923-17	LABEL "17"		
A 37	1	——	TERM, CRIMP,FEM,16-14 AWG,FULLY INSUL, MOLEX 98 5263		
A 36	2	——	TERM,RING,#10,16-14AWG,MOLEX 98-839-10		
A 35	3	——	TERM,SLIP-ON,.25,22-18 AWG, MOLEX AA-5261		
A 34	2	——	TERM,CRIMP,FEM,16-14 AWG, MOLEX 98-8141		
A 33	2	——	TERM,RING,#10,22-16 AWG,MOLEX AA-821-10		
32	1	——	MINI CONNECTOR BERG ELECTRONICS #65474-004		
31	7	063129	TERM, CRIMP, FEM, 18-24AWG, MOLEX		
30	1	063143	HOUSING, 8 CIRCUITS		
A 29	3		TERM, PIGGY-BACK, .25, 18-14AWG, AMP#61944-2		
28	1	100727	SCR, MACH, FLAT HD, #10-32 X 5/8 LG.		
A 27	2	NOTE 21	LABEL, ASSY IDENTIFICATION, 4900B		
A 26	7	061846	CABLE TIE, SMALL		
25	3.71 FT.		WIRE, 14GA STRANDED, 300V, 85°C, PVC, WHITE		
24	4.71 FT.		WIRE, 20GA STRANDED, 300V, 85°C, PVC, WHITE		
23	.50 FT.	——	TUBING, ALPHA #TFT-250-14		
22	1	063134-01	RESISTOR, CARBON, 150 Ω, 1W, ±5%		
21	1	063134-02	RESISTOR, CARBON, 1K Ω, 1/4W, ±5%		
A 20	2	——	SCR, MACH, RND HD, #4-40 X 1.00 LG.	STL	ZINC PL
A H 19	1	——	SCR, MACH, RND HD, #6-32 X 5/8 LG.	STL	ZINC PL
18	19	103460	LOCK WASHER, INT. TOOTH, #6	STL	ZINC PL
17	8	104352	LOCK WASHER, INT. TOOTH, #10	STL	ZINC PL
H 16	3	101126	SCR, MACH, RND HD, #6-32 X 1/4 LG.	STL	ZINC PL
15	1	100626	NUT, HEX, #10-32	STL	ZINC PL
14	1	063128	MOUNT, TRANSISTOR		
13	1	063127	FUSE		
12	1	063091	FUSE BLOCK		
11	1	063126	RECTIFIER		
10	1	063125	SOCKET, TRANSISTOR		
9	1	063010	INSULATOR, TRANSISTOR		
8	1	063009	TRANSISTOR		
7	1	063084	RECEPTACLE, MOLEX		
6	4	063122	TERM, CRIMP, FEMALE, 14-20 AWG		
K 5	1	NOTE 21	TRANSFORMER		
4	1	063101	RESISTOR, POWER		
3	1	063100	BRIDGE, HIGH CURRENT		
2	1	063099	SHIELD, TRANSFORMER		
1	1	063108	PLATE ASSY, CHARGER		

LIST OF MATERIALS

ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE	BREAK ALL SHARP EDGES	THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS TRACING. THE FILENAME IS: 063123-1 THIS PLOT MADE: 5-12-94	
REF DOCUMENTS: NEXT ASSY: 063123-062860 063123-01-062860-01	MATERIAL FINISH	DO NOT SCALE THIS DRAWING "DELETE" UNLESS OTHERWISE SPECIFIED	TITLE: CONTROL ASSY, 4900B
		2 PLACE DECIMAL ±.01	PRODUCT: TABLES
		3 PLACE DECIMAL ±.005	DR CHK/DATE
		ANGLE	APPROVED APR1/DATE
SUPERSEDES	Getinge/Castle, Inc.	SCALE 1=1	APPROVED APR2/DATE
		DRAWN BY SDL 12/17/91	APPROVED APR3/DATE

PROJECT NO. -
SIMILAR TO:
SIZE D SHEET 1 of 3
DRAWING/PART NO. 063123-☐ REV N

SHEETS 2 & 3 ARE "D" SIZE

M	16131	JKG	5-12-94
L	16075	VIC	12/10/93
K	16043	JDM	11/8/93
J	16041	JDM	10/25/93
I	15972	JDM	7/23/93
H	15906	JDM	12/4/92
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
ECO	LTR ECO	BY	ECO DATE
REL	RELEASE	REL BY	REL DATE

REVISIONS

	ECO NO.	BY	DATE
D			
C			
N	20248	JDM	5/8/90

Figure 12 #063123 1 of 3

DRAWING/PART NO. 063123

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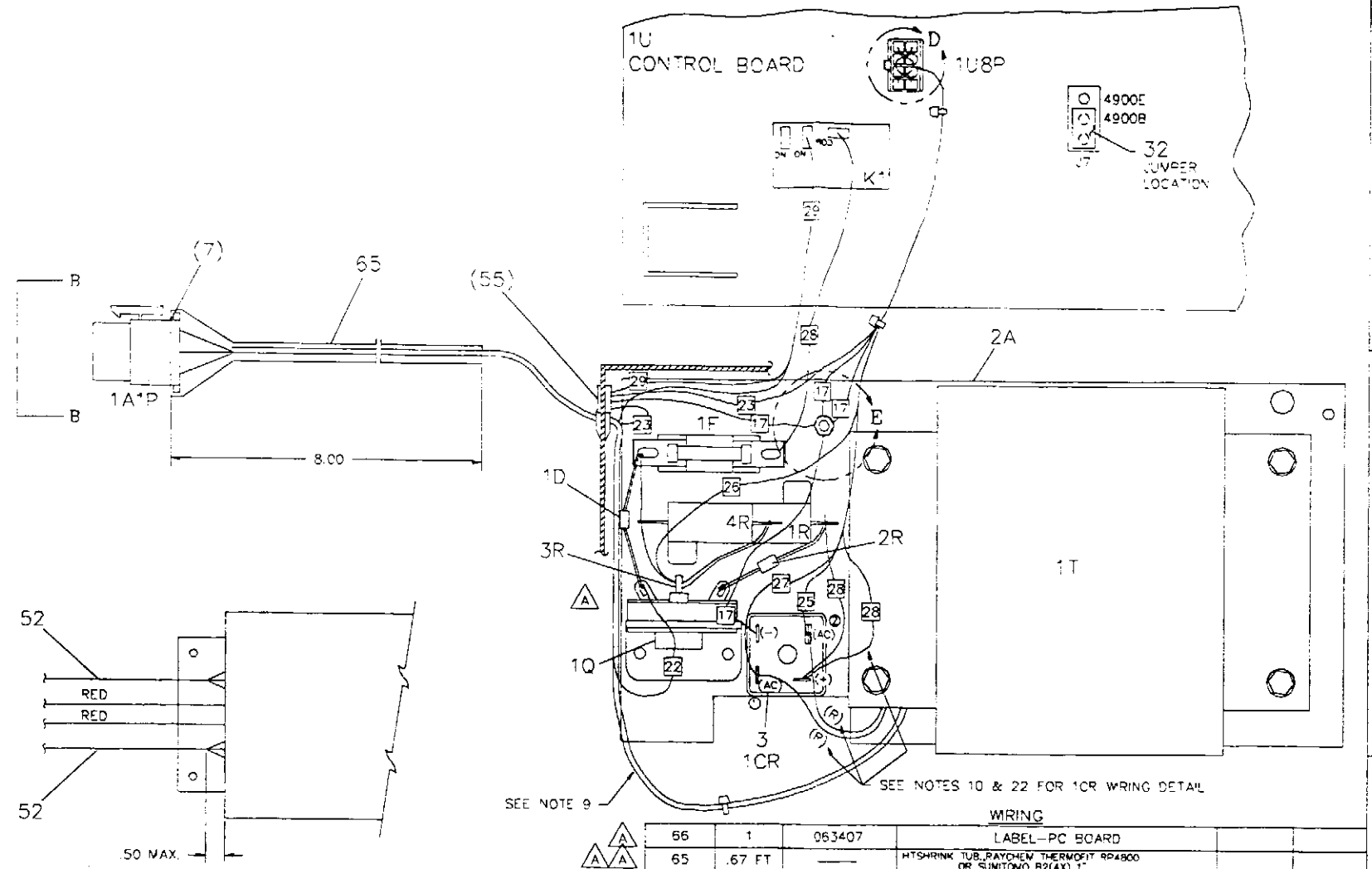
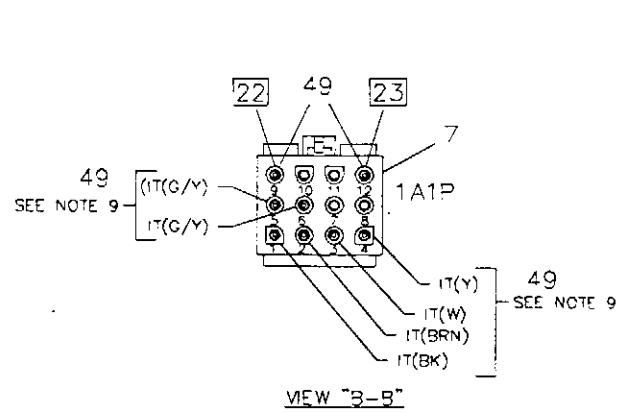
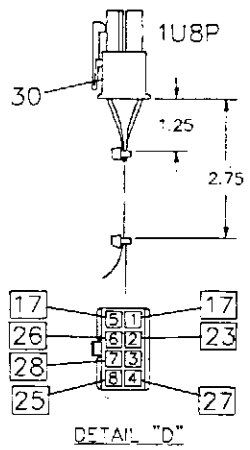
WIRE RUN LIST

	REF	ITEM	WIRE LENGTH	MARKER NO	MARKER QTY		STRIP JKT	STRIP LEN WIRE	TERMINATION ITEM	TERMINATION DESIGNATION	REMARKS
	1.00	25	11.00	22	2	FROM		.12	49	1A1P9	SEE GENERAL NOTES
						TO		.25		2A1QC	SEE NOTES 5 & 12 Q=TRANSISTOR
A	2.00	25	17.00	23	2	FROM		.12	49	1A1P2	P=PLUG
						TO		.12	6	2A2J3	1U=CONTROL BOARD
	3.00	24	8.00	17	2	FROM		.12	3*	2A1U8P*	2A=CONTROL ASSY
						TO		.25	33	2AGND	GND=GROUND
	4.00	24	8.00	17	2	FROM		.12	3*	2A1U8P5	J=JACK
						TO		.25	33	2AGND	
A	5.00	24	12.50	23	2	FROM		.12	31	2A1U8P2	
						TO		.12	6	2A2J2	
	6.00	24	8.00	28	2	FROM		.12	3*	2A1U8P7	C=CASE (COLLECTOR)
						TO		.25	35	2A1CR+	SEE NOTES 12 & 22
	7.00	25	6.00	28	2	FROM		.25		2A1F2	SEE NOTE 5
						TO		.31	34	2A1UK1COV	K=RELAY COM=COMMON TERM
	8.00	24	6.00	27	2	FROM		.12	3*	2A1U8P4	CR=BRIDGE
						TO		.31	35	2A1CRAC	SEE NOTES 11, 12 & 22
	9.00	24	8.00	26	2	FROM		.12	3*	2A1U8P6	Q=TRANSISTOR B=BASE
						TO		.25		2A1QB	SEE NOTES 5 & 11
	10.00	25	3.50	28	2	FROM		.31	29	2A1CR+	SEE NOTE 10 & 12
						TO		.25		2A1R	SEE NOTES 5, 11 & 12
	11.00	24	6.00	25	2	FROM		.12	31	2A1U8P8	
						TO		.31	35	2A1CRAC	SEE NOTES 11, 12 & 22
	12.00	25	4.00	17	2	FROM		.31	37	2A1CR-	
						TO		.25	36	2AGND	F=FUSE
	13.00	61	2.60	24	1	FROM				2A1F1	SEE NOTES 5, 12 & 16
A						TO				2A4R	SEE NOTES 5, 12 & 16
						FROM				2A4R	
						TO				2A1R	
A	14.00	25	10.00	17	2	FROM		.12	6	2A2J4	
A						TO		.25	36	2AGND	
A	15.00	25	10.00	29	2	FROM		.12	6	2A2J1	
A						TO		.31	34	2A1UK1NO	
A	16.00	61	2.50	30	1	FROM				2A1QE	SEE NOTE 20
						TO				2A4R	



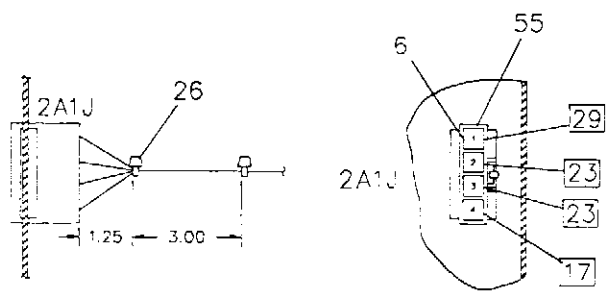


VIEW "B-B"

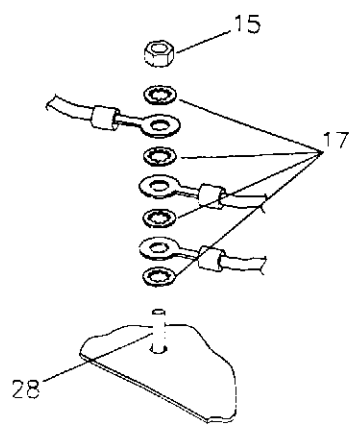


DETAIL "D"

DETAIL "F"



VIEW "C-C"



DETAIL "E"
2AGND

WIRING

ITEM NO	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
66	1	063407	LABEL-PC BOARD		
65	.67 FT	——	HITSHRINK TUB, RAYCHEM THERMOFIT RP4800 OR SUMITOMO B2(4X) T"		
64	2	063256	SPACER, STANDOFF, .62 LG.	ALUM.	
63	1	063255	RESISTOR POWER		
62	4	——	SCR. MACHINE, HEX HD, #10-32 X 1.75 LG.	STL	
61	.21 FT.	——	WIRE, SOLID, 16 GA		
60	1	063222	COVER ASSY. CTRL BOX		
59	1	063082	BOARD ASSY. CONTROL		
58	4	063109	SPACER		
57	1	063124	RIBBON, CABLE		
56	1	063102	GROMMET, HOLE		
55	1	063152	PLUG, MOLEX, 4 CIRCUIT		
54	10	100608	NUT, HEX, #6-32	STL	ZINC PL
53	2	061935	LOCK WASHER, #4	STL	ZINC PL
52	2.75 FT.	——	ALPHA SHRINK TUBING #FIT-221-3/16-B		
51	1	063145	INSULATION, COVER		
50	2	062923-29	LABEL, "29"		
49	8	063121	TERM, CRMP, MALE, MOLEX		
48	1	063206	LABEL, FUSE		
47	AR	——	CHAMBERLIN RUBBER X200 EDGETRIM		
45	AR	——	WAKEFIELD SERIES 120 SILICONE OIL-BASED THERMAL COMPOUND OR EQUIV.		

LIST OF MATERIALS

ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE	BREAK ALL SHARP EDGES	THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS TRACING. THE FILENAME IS: 063123-2 THIS PLOT MADE: 5-12-94			
REF DOCUMENTS	MATERIAL	DO NOT SCALE THIS DRAWING	TITLE	CONTROL ASSY, 4900B	
NEXT ASSY: 062860		TOLERANCE UNLESS OTHERWISE SPECIFIED			
		2 PLACE DECIMAL ±.01	PRODUCT	TABLES	PROJECT NO.
	FINISH	3 PLACE DECIMAL ±.005	CHK		SIMILAR TO
SUPERSEDES		ANGLE ±1°	APPROVED	SIZE D	SHEET 2 OF 3
	Getinge/Castle, Inc.	SCALE 1=1	APPROVED	DRAWING/PART NO. 063123	REV N
		DRAWN BY SDL 12/17/91	APPROVED		

SHEETS 1 & 3 ARE "D" SIZE

REVISIONS			
LTR	ECO NO.	BY	DATE
N	20248	JDM	5/5/95
M	16137	JKG	3-12-94
L	16076	VC	12/10/93
K	16043	JDM	11/8/93
J	16041	JDM	10/25/93
H	15972	JDM	7/23/93
H1	15905	JDM	12/4/92
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
REL	RELEASE	REL	RELDATE

Figure 12 #063123 2 of 3

DRAWING/PART NO. 063123

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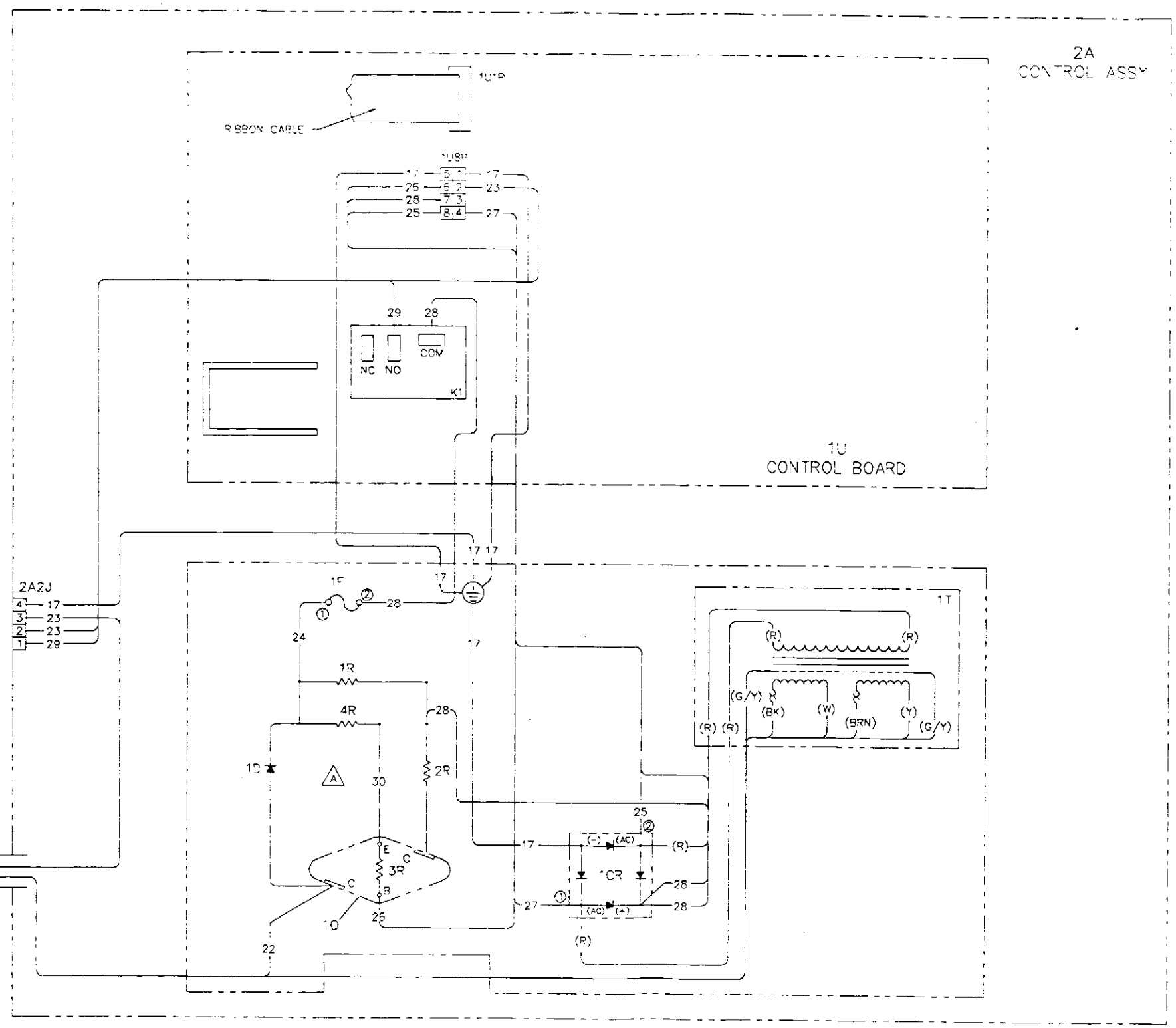


WIRING DIAGRAM

LTR	ECO NO.	BY	DATE
M	16373	JWC	5-12-94
L	16076	WC	12.10.93
K	16043	JDM	11/8/93
J	16041	JDM	10/25/93
I	15972	JDM	7/23/93
H	15906	JDM	12/4/92
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
ECO	LTR ECO	ECO	ECODATE
P			
O			
N	20248	JDM	5/9/93

LTR	ECO NO.	BY	DATE
REL	RELEASE	REL	RELDATE

REVISIONS

SHEETS 1 & 2 ARE "D" SIZE

ALL DIMENSIONS ARE INCHES UNLESS NOTED OTHERWISE

REF DOCUMENTS

NEXT ASSY: 062960

SUPERSEDES

BREAK ALL SHARP EDGES

THIS DRAWING WAS MADE USING AUTOCAD SOFTWARE. CHANGES SHOULD BE MADE TO DATABASE AND NOT TO THIS TRACING. THE FILENAME IS 163123-3 THIS PLOT MADE: 5-12-94

MATERIAL

FINISH

DO NOT SCALE THIS DRAWING

TOLERANCE UNLESS OTHERWISE SPECIFIED

2 PLACE DECIMAL ±

3 PLACE DECIMAL ±

ANGLE ±

SCALE NTS

DRAWN BY SDL 1/31/92

TITLE CONTROL ASSY, 4900B

PRODUCT TABLES

CHK

APPROVED

APPROVED

APPROVED

PROJECT NO.

SIMILAR TO

QTY 0 SHEET 3 OF 3

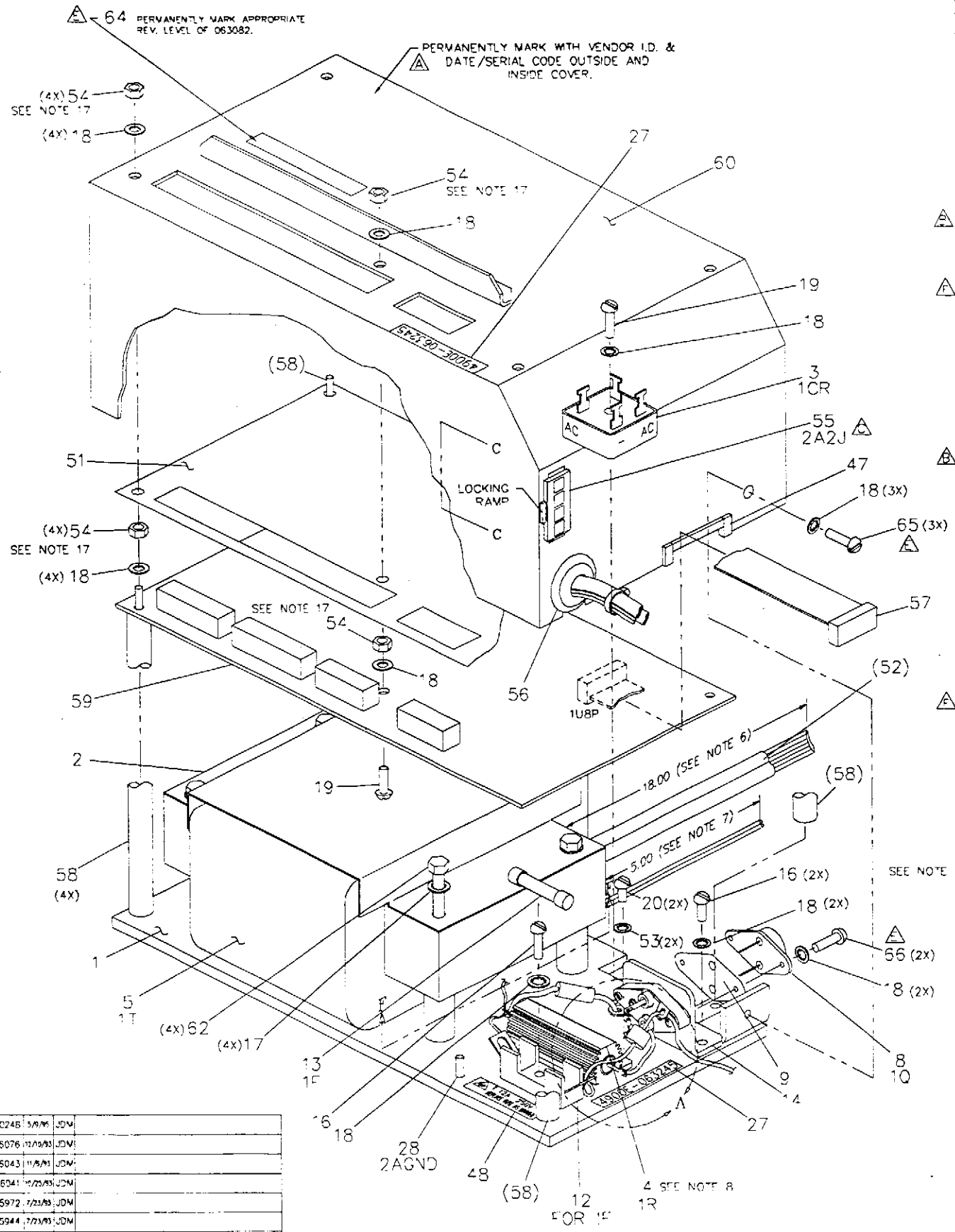
DRAWING/PART NO. 063123

REV N

Getinge/Castle, Inc.

Figure 12 #063123 3 of 3

DRAWING/PART NO. 063245 | THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.



FOR TERMINATION & WIRE LENGTH INFORMATION

1.) CRIMP ALL TERMINALS PER U.L. STANDARD #486
2.) ALL WIRE LENGTHS ON WIRE RUN LIST ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
3.) WIRE TOLERANCES: WIRE LENGTH, +.25,-.00 STRIP LENGTH:±.03
4.) WHEN TWO WIRES ARE CRIMPED OR SOLDERED IN ONE TERMINAL, FOR TERMINAL AND SECOND WIRE PROCEED TO NEXT LINE ON WIRE RUN LIST.
5.) SOLDER CONNECTIONS PER U.L. STANDARD #486. USE 60-40 RESIN CORE SOLDER.
6.) ASSEMBLE 3 TRANSFORMER WIRES INSIDE ITEM 52 (2X). SEE DETAIL F. EXCEPT FOR THE RED WIRES AND CUT TO LENGTH AS SHOWN ON DRAWING.
7.) GRASP THE TWO RED WIRES FROM THE TRANSFORMER AND CUT WIRES TO LENGTH AS SHOWN ON DRAWING.
A 8.) APPLY THERMAL COMPOUND (ITEM 46) TO BASE OF RESISTOR (ITEM 4) AND BRIDGE RECT. (ITEM 3)
9.) STRIP .12" THE WIRES FROM TRANSFORMER. CRIMP TERMINALS (ITEM 49) ONTO WIRES AND INSERT TERMINALS INTO HOUSING (ITEM 7) PER WIRING DIAGRAM.
A 10.) STRIP .31" BOTH RED WIRES FROM TRANSFORMER AND LEAD #28 FROM 1R (WIRING RUN LIST REF. #10). CRIMP PIGGY-BACK TERMINALS (ITEM 29) ONTO ALL WIRES & ATTACH THEM TO 1CR PER WIRING DIAGRAM
11.) REFER TO WIRING DIAGRAM FOR OTHER CONNECTIONS AT THIS TERMINAL.
12.) REFER TO WIRING DIAGRAM, SHEET 3, FOR PROPER WIRING CONN'S.
13.) THIS ASSY TO BE UL LISTED & CSA CERTIFIED.
14.) SLIDE TUBING (ITEM 23) OVER BOTH LEADS OF 1D (ITEM 11).
15.) SLIDE TUBING (ITEM 23) OVER LEAD OF 2R (ITEM 22) IN THIS AREA.
A 16.) MOUNT BARE WIRE (ITEM 51) AND DIODE ID LEAD THRU LUG OF POWER RESISTOR (ITEM 4) AND SOLDER AT RESISTOR. SLIDE TUBING (ITEM 23) OVER END PRIOR TO SOLDERING END AT TRANSISTOR (ITEM 10).
17.) TORQUE ITEM 54 TO 6 IN/LBS MAX.
18.) SUPPLIER TO PERFORM THE FOLLOWING TRANSFORMER TEST:
A) HIPOT TEST:
PRIMARY TO ALL: 4000 VRMS/60 HZ.
SECONDARY TO ALL: 1500 VRMS/60 HZ.
B) LEAKAGE CURRENT TEST:
LESS THAN 50 ?A AT 120VAC 60 HZ SINEWAVE
19.) SLIDE TWISTED LEAD (ITEM 25) WIRE MARKED 28 FROM BRIDGE (ITEM 3) THRU HOLE IN RESISTOR (ITEM 4) AND SOLDER. WRAP RESISTOR LEAD (ITEM 22) AROUND POST OF RESISTOR (ITEM 4) AND SOLDER. WRAP SOLID LEAD (ITEM 61) AROUND POST OF RESISTOR (ITEM 4) AND SOLDER.
20.) 063245 (UL CONFIG.): ITEM 5 IS 063105; ITEM 27 IS 063240
063245-01 (CSA CONFIG): ITEM 5 IS 063232; ITEM 27 IS 063375
F 21.) TERMINALS TO BE INSTALLED ON PIGGY-BACK FLAGS OF OTHER TERMINALS ON 1CR PER WIRING RUN LIST AND WIRING DIAGRAM.

ITEM NO	QTY	PART NUMBER	DESCRIPTION	MATL	FIN
A A 66	2		SCR, MACH, RND HD, #6-32X1/2	STL	ZINC PL
A A 65	3		SCR, MACH, RD HD, #6-32X3/8	STL	ZINC PL
45	6	062923-28	LABEL "28"		
44	2	062923-27	LABEL "27"		
43	2	062923-26	LABEL "26"		
42	2	062923-25	LABEL "25"		
41	2	062923-24	LABEL "24"		
40	4	062923-23	LABEL "23"		
39	2	062923-22	LABEL "22"		
38	8	062923-17	LABEL "17"		
F F 37	1	———	TERM,CRIMP,FEM,16-14 AWG,FULLY INSUL,MOLEX 8B-5263		
F 36	2	———	TERM,RING,#10,16-14 AWG,MOLEX BB-839-10		
F F 35	3	———	TERM,SLIP ON,.25,22-18 AWG, MOLEX AA-5261		
F 34	2	———	TERM,CRIMP,FEM,16-14 AWG,MOLEX BB-8141		
F 33	2	———	TERM,RING,#10,22-16 AWG,MOLEX AA-821-10		
32	1	———	MINI CONNECTOR BERG ELECTRONICS #65474-004		
31	7	063129	TERM, CRIMP, FEM, 18-24AWG, MOLEX		
30	1	063143	HOUSING, 8 CIRCUITS		
F 29	3		TERM, PIGGY-BACK, 25,18-14AWG,AMP#61944-2		
28	1	100727	SCR, MACH, FLAT HD, #10-32 X 5/8 LG.		
F 27	2	NOTE 20	LABEL, ASSY IDENTIFICATION, 4900E		
26	7	061846	CABLE TIE, SMALL		
25	3.71 FT.		WIRE, 14GA STRANDED, 300V, 85°C, PVC, WHITE		
24	4.71 FT.		WIRE, 20GA STRANDED, 300V, 85°C, PVC, WHITE		
23	.58 FT.	———	TUBING, ALPHA #TFT-250-14		
22	1	063134-03	RESISTOR, CARBON, 390Ω, 1W, ±5%		
21	1	063134-02	RESISTOR, CARBON, 1K Ω, 1/4W, ±5%		
20	2	———	SCR, MACH, RND HD, #4-32 X 1/4 LG.	STL	ZINC PL
A 19	1	———	SCR, MACH, RND HD, #6-32 X 5/8 LG.	STL	ZINC PL
18	19	103460	LOCK WASHER, INT. TOOTH, #6	STL	ZINC PL
17	8	104352	LOCK WASHER, INT. TOOTH, #10	STL	ZINC PL
A 16	3	101126	SCR, MACH, RND HD, #6-32 X 1/4 LG.	STL	ZINC PL
15	1	100626	NUT, HEX, #10-32	STL	ZINC PL
14	1	063128	MOUNT, TRANSISTOR		
13	1	063127	FUSE		
12	1	053091	FUSE BLOCK		
11	1	053126	RECTIFIER		
10	1	063125	SOCKET, TRANSISTOR		
9	1	063010	INSULATOR, TRANSISTOR		
8	1	063009	TRANSISTOR		
7	1	063084	RECEPTACLE, MOLEX		
6	4	063122	TERM, CRIMP, FEMALE, 14-20 AWG		
F 5	1	NOTE 20	TRANSFORMER		
4	1	063244	RESISTOR, POWER		
3	1	063100	BRIDGE, HIGH CURRENT		
2	1	063099	SHIELD, TRANSFORMER		
1	1	063108	PLATE ASSY, CHARGER		

LIST OF MATERIALS

SYM	ECO#	DATE	NAME	REVISIONS
G	20248	5/8/95	JDM	
F	16076	11/13/93	JDM	
E	16043	11/8/93	JDM	
D	16041	10/25/93	JDM	
C	15972	7/23/93	JDM	
B	15944	7/23/93	JDM	
A	15911	11/6/92	JDM	
REL	15889	8/31/92	LH	

MASTER

APPLICATION: NEXT ASSY 66286 | MATERIAL: SEE ABOVE | FINISH | DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.01, THREE DECIMAL PLACES ±.005, ANGLES ±0°, ALL HOLES ±.005, FRACTIONS ±1/32 | PRODUCT: TABLES | REFERENCE DRAWINGS | DRAWN BY: SDL 4/15/92 | APPROVED | APPROVED | CAD DWG NAME: 063245DT | SHEET 1 OF 3 | SCALE: 1 on 1

Getinge/Castle, Inc.

TITLE: CONTROL ASS'Y, 4900E | SIZE: D | DRAWING/PART NO.: 063245 | REV.: G

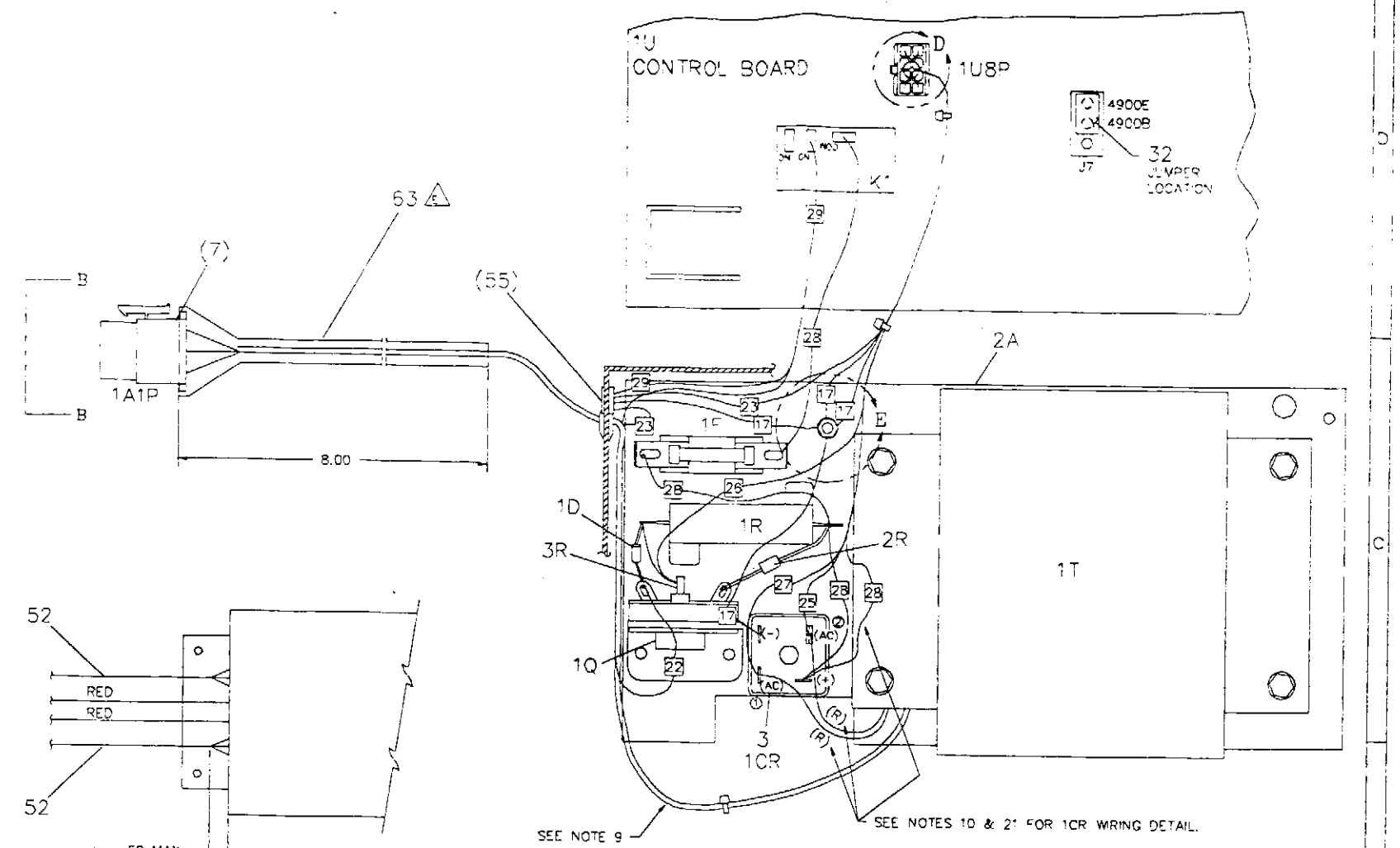
SHEETS 2 & 3 ARE "D" SIZE

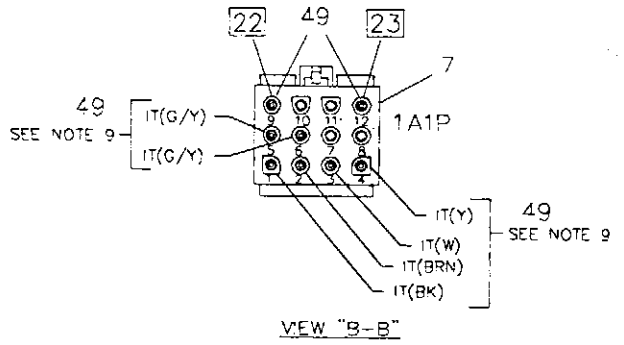
Figure 13 #063245 1 of 3

DRAWING/PART NO. 063245 — THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc., ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.

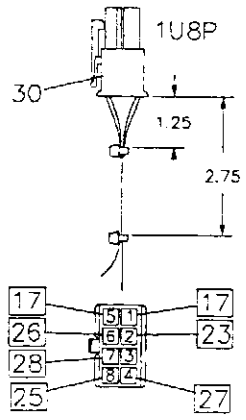
WIRE RUN LIST

REF	WIRE ITEM	WIRE LENGTH	MARKER NO	MARKER QTY		STRIP JKT	LEN WIRE	TERMINATION ITEM	TERMINATION DESIGNATION	REMARKS
1.00	25	11.00	22	2	FROM		.12	49	1A1P9	SEE GENERAL NOTES
					TO		.25		2A1QC	SEE NOTES 5 & 12 Q=TRANSISTOR
2.00	25	17.00	23	2	FROM		.12	49	1A1P12	B=BASE
					TO		.12	6	2A2J3	1U=CONTROL BOARD
3.00	24	8.00	17	2	FROM		.12	31	2A1U8P1	2A=CONTROL ASSY
					TO		.25	33	2AGND	GND=GROUND
4.00	24	8.00	17	2	FROM		.12	31	2A1U8P5	J=JACK
					TO		.25	33	2AGND	
5.00	24	12.50	23	2	FROM		.12	31	2A1U8P2	
					TO		.12	6	2A2J7	
6.00	24	8.00	28	2	FROM		.12	31	2A1U8P7	C=CASE (COLLECTOR)
					TO		.25	35	2A1CR4	SEE NOTES 12 & 21
7.00	25	6.00	28	2	FROM		.25		2A1F2	SEE NOTE 5
					TO		.31	34	2A1UK1COM	K=RELAY COM=COMMON TERM
8.00	24	6.00	27	2	FROM		.12	31	2A1U8P4	CR=BRIDGE
					TO		.31	35	2A1CRAC	SEE NOTES 11, 12 & 21
9.00	24	8.00	26	2	FROM		.12	31	2A1U8P6	Q=TRANSISTOR B=BASE
					TO		.25		2A1QB	SEE NOTES 5 & 11
10.00	25	3.50	28	2	FROM		.31	29	2A1CR4	SEE NOTES 10 & 12
					TO		.25		2A1R	SEE NOTES 5, 11 & 12
11.00	24	6.00	25	2	FROM		.12	31	2A1U8P8	
					TO		.31	35	2A1CRAC	SEE NOTES 11, 12 & 21
12.00	25	4.00	17	2	FROM		.31	37	2A1CR-	
					TO		.25	36	2AGND	F=FUSE
13.00	61	2.50	24	1	FROM				2A1QE	SEE NOTES 5, 12 & 16
					TO				2A1R	SEE NOTES 5, 12 & 16
14.00	25	10.00	17	2	FROM		.12	6	2A2J4	
					TO		.25	36	2AGND	
15.00	25	10.00	28	2	FROM		.12	6	2A2J1	
					TO		.31	34	2A1UK1NO	
16.00	61	3.75	28	1	FROM				2A1F1	SEE NOTES 5 & 12
					TO				2A1R	SEE NOTE 19

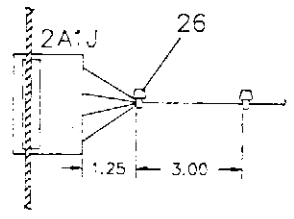


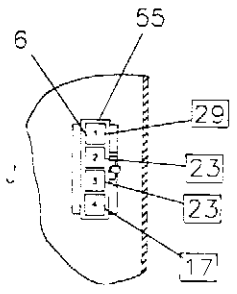


VIEW "B-B"



DETAIL "D"





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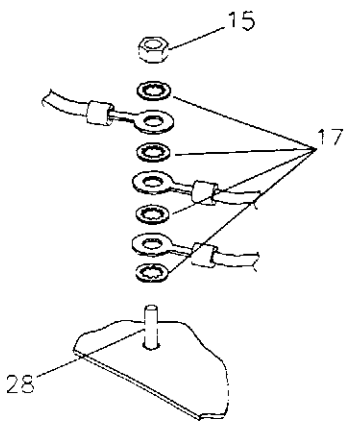

DETAIL "E"
2AGND

WIRING

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
64	1	063407	LABEL-PC BOARD		
63	.67 FT	——	HTSHRINK TUB., RAYCHEM THERMOFIT RP 4800 SUMITOMO 92(4X) 1"		
62	4	——	SCR, MACHINE, HEX HD, #10-32 X 1.75 LG.	STL	
61	.52 FT.	——	WIRE, SOLID, 16 GA		
60	1	063222	COVER ASSY, CTRL BOX		
59	1	063082	BOARD ASSY, CONTROL		
58	4	063109	SPACER		
57	1	063124	RIBBON, CABLE		
56	1	063102	GROMMET, HOLE		
55	1	063152	PLUG, MOLEX, 4 CIRCUIT		
54	10	100608	NUT, HEX, #6-32	STL	ZINC PL
53	2	061935	LOCK WASHER, #4	STL	ZINC PL
52	2.75 FT.	——	ALPHA SHRINK TUBING #FIT-221-3/16-B		
51	1	063145	INSULATION, COVER		
50	2	062923-29	LABEL, "29"		
49	8	063121	TERM, CRMP, MALE, MOLEX		
48	1	063206	LABEL, FUSE		
47	AR	——	CHAMBERLIN RUBBER X200 EDGETRIM		
45	AR	——	WAKEFIELD SERIES 120 SILICONE OIL-BASED THERMAL COMPOUND OR EQUIV.		

LIST OF MATERIALS

APPLICATION: NEXT ASSY 062861	MATERIAL: SEE ABOVE	DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.01; THREE DECIMAL PLACES ±.005; ANGLES ±0°-1°; ALL HOLES ±.005; FRACTIONS ±1/32	DRAWN BY: SDL 4/26/92; APPROVED
	FINISH:	PRODUCT: TABLES; REFERENCE DRAWINGS:	TOOL DWG. NAME: D63245D1; SHEET 2 OF 3; SCALE: 1=1
	TITLE: CONTROL ASS'Y, 4900E	SIZE: D; DRAWING/PART NO.: 063245	REV.: G

SHEETS 1 & 3 ARE "D" SIZE

Getinge/Castle, Inc.

SEE SHEET 1 FOR REV'S.

SYM	ECO#	DATE	NAME	REVISIONS	MASTER

Figure 13 #063245 2 of 3

DRAWING/PART NO. 063245
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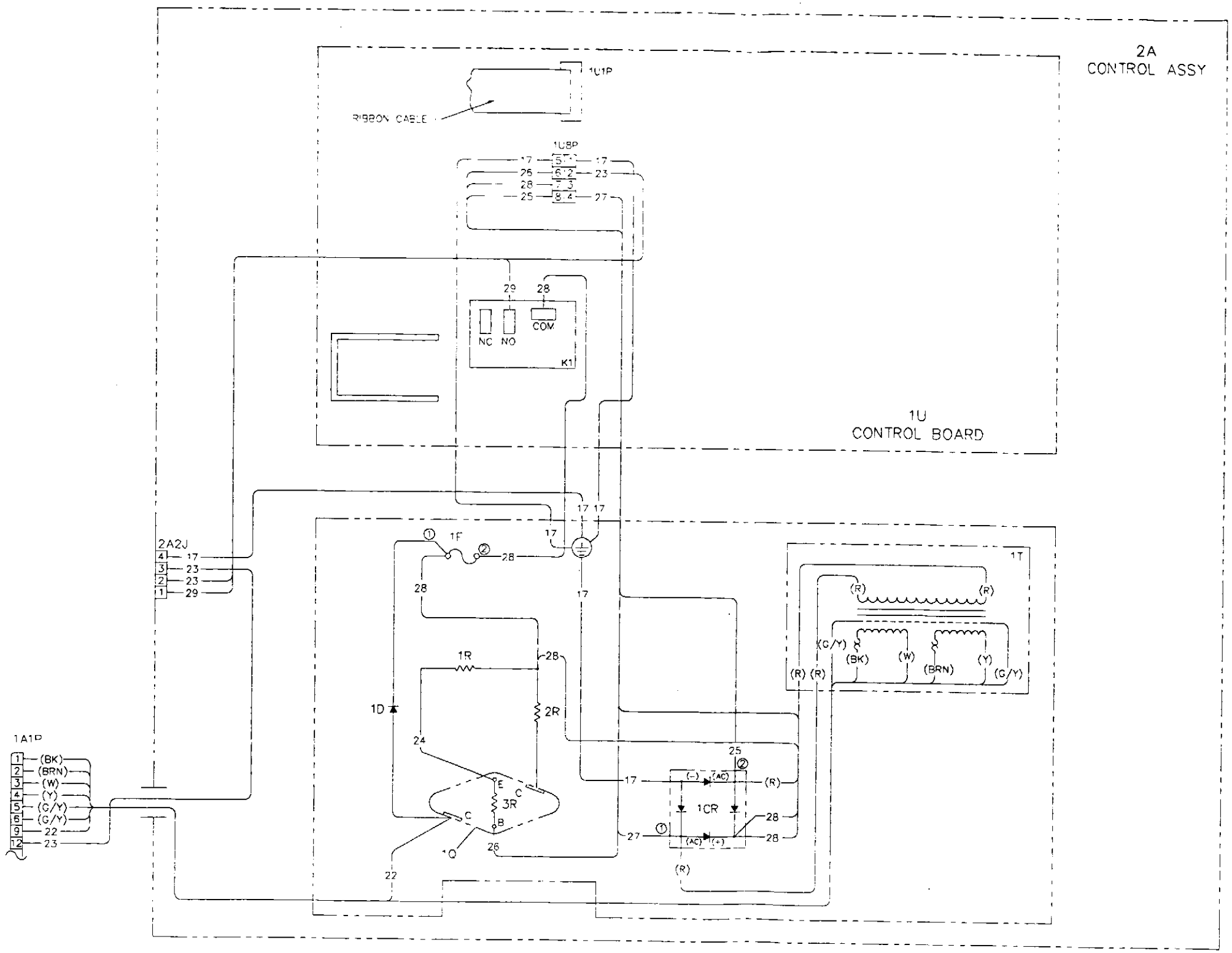


WIRING DIAGRAM

SEE SHEET 1 FOR REV'S.

SYM	ECO#	DATE	NAME	REVISIONS	MASTER

SHEETS 1 & 2 ARE "D" SIZE

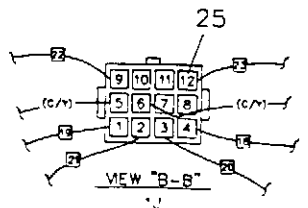
APPLICATION: NEXT ASS'Y 052861	MATERIAL: SEE ABOVE	DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED: TWO DECIMAL PLACES ±.01; THREE DECIMAL PLACES ±.005; ANGLES ±0°-1'; ALL HOLES ±.005; FRACTIONS ±1/32	DRAWN BY: SDL 4/16/92; APPROVED; APPROVED; CAD DWG. NAME: 063245D1; PRODUCT: TABLES; SHEET 3 OF 3; REFERENCE DRAWINGS; SCALE: 1=1
FINISH:	Getinge/Castle, Inc.		
	TITLE: CONTROL ASS'Y, 4900E	SIZE: D	DRAWING/PART NO.: 063245 REV: G

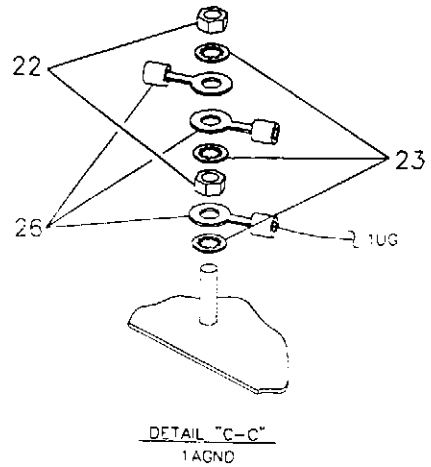
Figure 13 #063245 3 of 3

DRAWING/PART NO 063092-□ THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF Getinge/Castle, Inc. AND IS SUBJECT TO BEING RETURNED UPON REQUEST. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF Getinge/Castle, Inc. ANY AUTHORIZED REPRODUCTION MUST BEAR THIS ENTIRE LEGEND.

WIRE RUN LIST

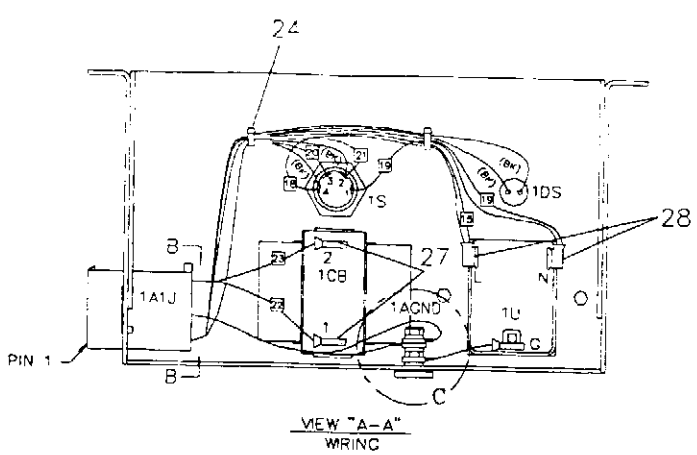
REF	ITEM	WIRE LENGTH	MARKER NO	MARKER QTY		STRIP JKT	STRIP WIRE	TERMINATION ITEM	TERMINATION DESIGNATION	REMARKS
1.00	12	8.00	19	2	FROM		.12	25	1A1J1	SEE GENERAL NOTES
					TO		.25		1A1UN	SEE NOTE 4
2.00	12	5.00	19	1	FROM		.25	28	1A1UN	
					TO		.25		1A1S1	SEE NOTE 5
3.00	12	5.00	21	2	FROM		.12	25	1A1J2	J = JACK
					TO		.25		1A1S2	SEE NOTES 5 & 6
4.00	12	5.00	20	2	FROM		.12	25	1A1J3	1U = POWER ENTRY MODULE
					TO		.25		1A1S3	SEE NOTE 5
5.00	12	6.00	18	2	FROM		.12	25	1A1J4	1A = POWER MODULE ASSY
					TO		.25		1A1UL	SEE NOTE 4
6.00	12	5.00	18	1	FROM		.25	28	1A1UL	S = VOLTAGE SELECTOR SWITCH
					TO		.25		1A1S4	SEE NOTE 5 & 6
7.00	14	4.00			FROM		.12	25	1A1J5	
					TO		.38	26	1AGND	
8.00	14	4.00			FROM		.12	25	1A1J6	
					TO		.38	26	1AGND	
9.00	14	2.00			FROM		.25	28	1A1UG	
					TO		.38	26	1AGND	
10.00	13	3.00	23	1	FROM		.25	27	1A1CB2	CB = CIRCUIT BREAKER
					TO		.12	25	1A1J12	
11.00	13	3.00	22	1	FROM		.25	27	1A1CB1	
					TO		.12	25	1A1J9	

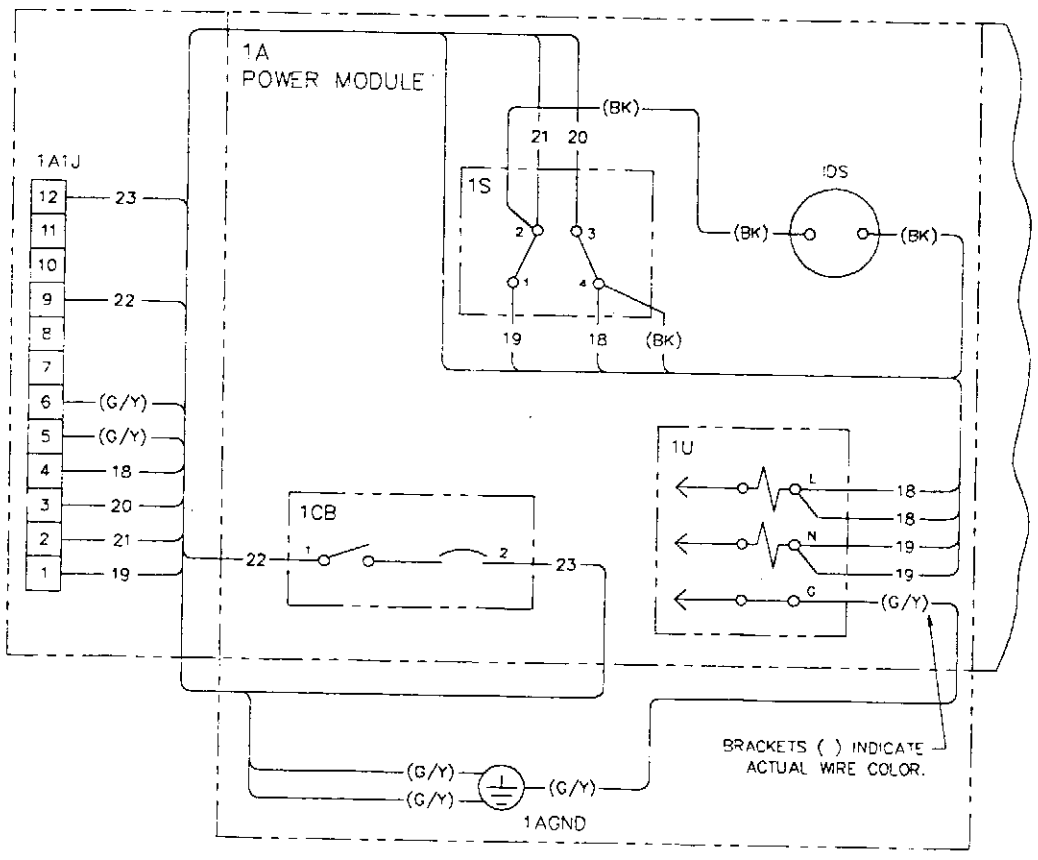




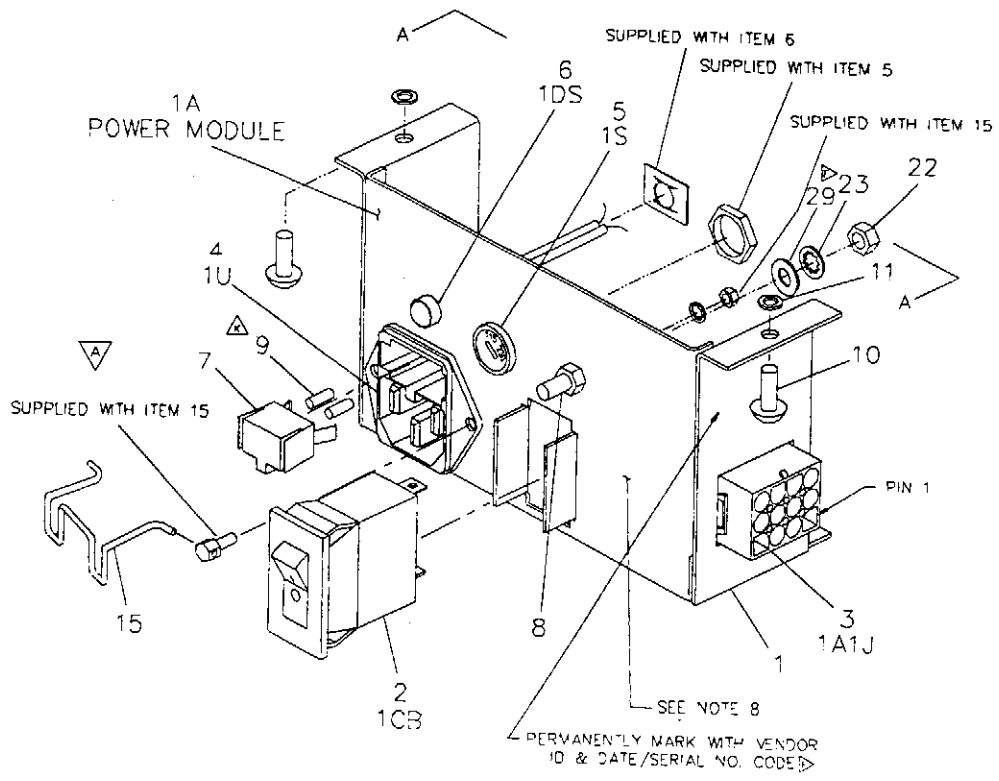
NOTE: SEE WIRE RUN LIST ON DRAWING

FOR TERMINATION & WIRE LENGTH INFORMATION
1.) CRIMP ALL TERMINALS PER U.L. STANDARD #486
2.) ALL WIRE LENGTHS ON WIRE RUN LIST ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
3.) WIRE TOLERANCES: WIRE LENGTH, +.25,-.00
STRIP LENGTH: ±.03
4.) WHEN TWO WIRES ARE CRIMPED IN ONE TERMINAL, FOR TERMINAL AND SECOND WIRE PROCEED TO NEXT LINE ON WIRE RUN LIST.
5.) SOLDER CONNECTIONS PER U.L. STANDARD #486 USE 60-40 RESIN CORE SOLDER.
6.) SOLDER BLACK WIRE FROM 1DS TO THIS TERMINAL ALSO.
7.) THIS ASSY TO BE U.L. LISTED & CSA CERTIFIED.
8.) NO APPROVAL LABELS ON THIS SURFACE.
9.) FOR FIELD SERVICE
063092-50 CONSISTS OF 063092 PLUS 1 EACH
063237-LABEL
063235-LABEL
063236-LABEL





WIRING DIAGRAM



ITEM#	QTY	PART NUMBER	DESCRIPTION	MATERIAL	FIN
	NOTE 9	1	063235	LABEL-EQUIPOTENTIAL		
	NOTE 9	1	063236	LABEL-BATTERY		
	NOTE 9	1	063237	LABEL-MAINS		
F	29	1	———	#10 FLATWASHER	STL	ZN
	28	3	———	TERM,FLAG,.187,16-14AWG,MOLEX BB 2225		
	27	2	———	TERM,FLAG,.25,16-14 AWG,MOLEX BB 2221		
	26	3	———	TERM,RING,#10,16-14 AWG, MOLEX BB-825-10		
	25	8	063122	TERM,CRMP,FEM,MOLEX		
	24	2	061846	CABLE TIE, SMALL		
	23	4	104352	LOCK WASHER, INT. TOOTH, #10	STL	ZN
	22	3	100626	NUT, HEX, #10-32	STL	ZN
	21	1	062923-23	LABEL, "23"		
	20	1	062923-22	LABEL, "22"		
	19	2	062923-21	LABEL, "21"		
	18	2	062923-20	LABEL, "20"		
	17	3	062923-19	LABEL, "19"		
	16	3	062923-18	LABEL, "18"		
A A	15	1	063373	CLIP, CORD RETAINER		
	14	0.83 FT	———	WIRE,16GA,STRANDED,300V MIN, 85°C, GREEN/YELLOW		
	13	0.5 FT	———	WIRE,14GA,STRANDED,300V MIN, 85°C, WHITE		
	12	2.83 FT	———	WIRE,18GA,STRANDED,600V MIN, 105°C, WHITE		
	11	2	063119	FIBRE, WASHER		
	10	2	101067	SCR,MACH,TR. HD,PHIL. DR,#10-32UNF X 1/2	STL	ZN
A	9	2	063224	FUSE, TYPE ET, 4.0A		
	8	1	062838	POST, GROUNDING		
	7	1	063114	FUSEDRAWER		
	6	1	063088	LAMP		
	5	1	063225	VOLT SELECTOR SWITCH		
A	4	1	063371	POWER ENTRY CONNECTOR		
	3	1	063085	RECEPTACLE		
	2	1	063226	CIRCUIT BREAKER		
	1	1	063104	POWER BOX ASSY		

LIST OF MATERIAL

SYM	ECO#	DATE	NAME	REVISIONS
K	20831	4/7/97	MAS	ITEM #9 P/N WAS 06311R-2
J	16082	1/1/94	MOT	
I	16043	11/8/93	JDM	
H	16034	9/15/93	JDM	
G	15972	7/23/93	JDM	
F	15907	1/8/93	JDM	
E	15877	6/16/92	SDL	
D	15869	5/28/92	DC	
C	15858	5/5/92	SDL	
B	15848	4/2/92	SDL	
A	15839	3/4/92	SDL	
REL	15815	1/17/89	LH	

MASTER

APPLICATION	MATERIAL
NEXT ASSY	SEE ABOVE
062860-□	FINISH
062861-□	NONE

DIMENSION TOLERANCE UNLESS OTHERWISE SPECIFIED
TWO DECIMAL PLACES ±
THREE DECIMAL PLACES
ANGLES
ALL HOLES
FRACTIONS
PRODUCT TABLE/4900B/E
REFERENCE DRAWINGS

DRAWN BY LH 1/92
APPROVED
APPROVED
DWG TOPIC CODE 063920
SHEET 1 OF 1
SCALE: NONE

Getinge/Castle, Inc.

TITLE: POWER MODULE ASSEMBLY
SIZE D
DRAWING/PART NO 063092-□
REV K

Figure 14 #063092

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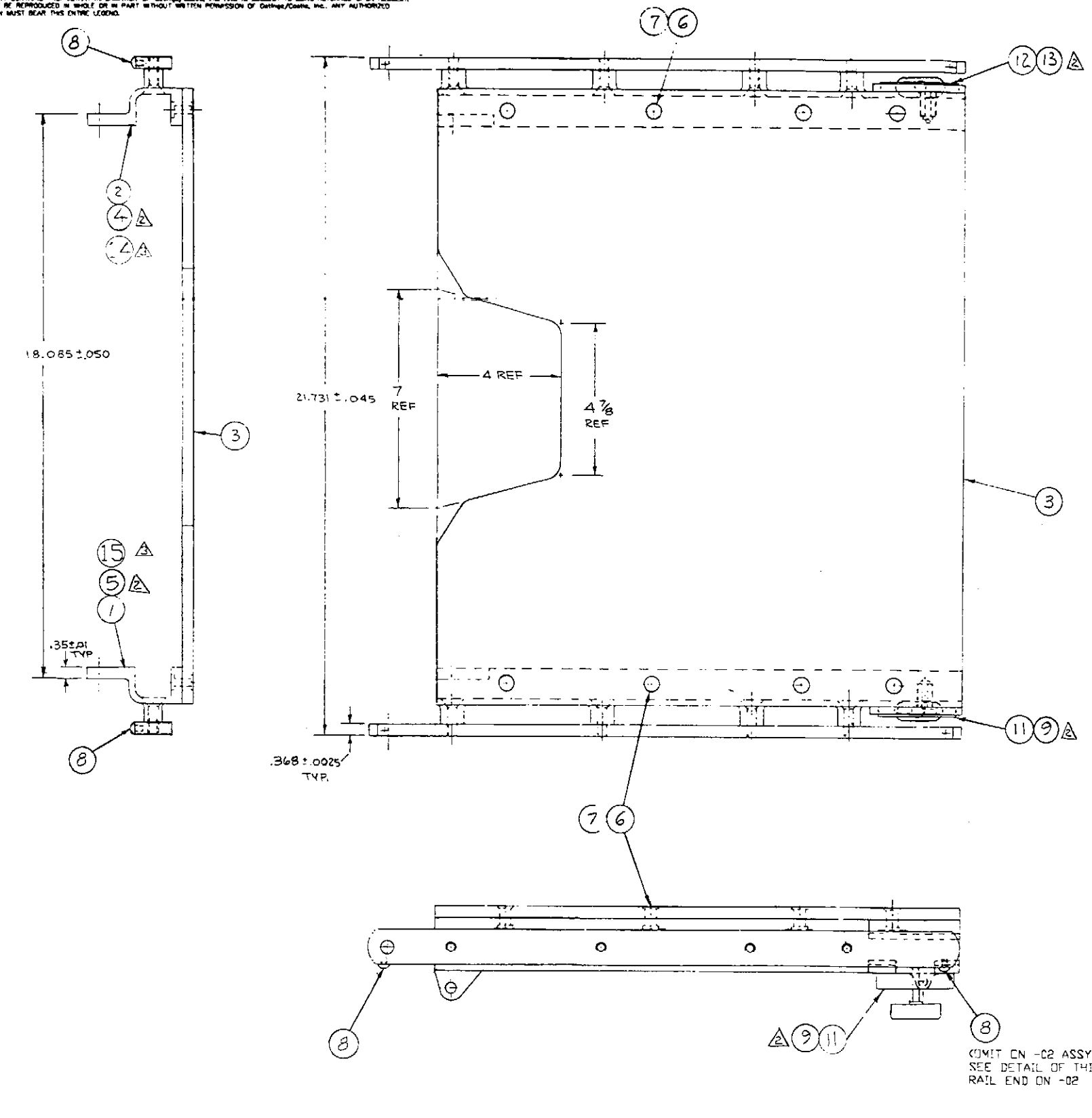
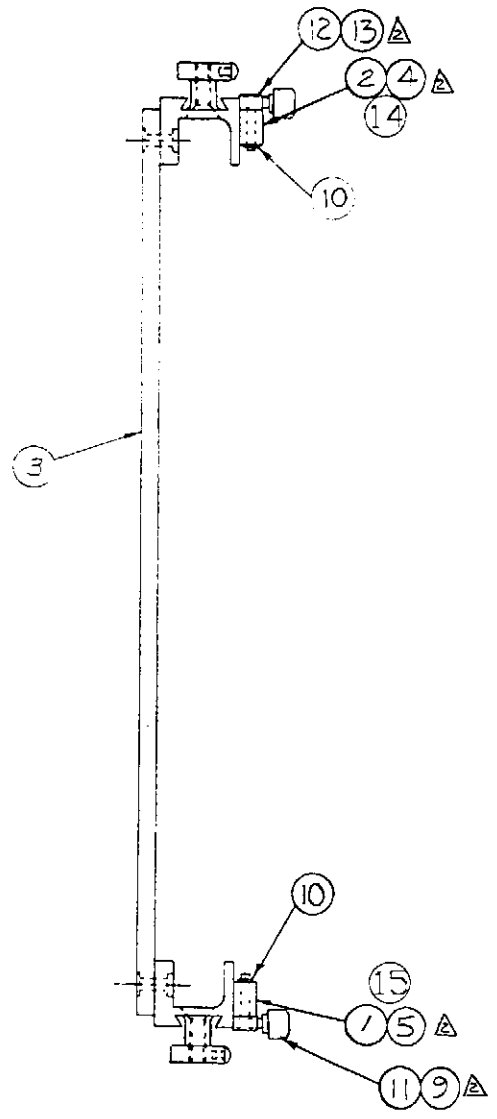
REVISION					
SYM	ECO	DESCRIPTION	BY	DATE	APP
1	15539	REMOVE "CHR" FROM ITEM 7 & 8	MKT	3-14-90	
2	15814	SEE ECO	GF	11/4/92	MKT
3	20185	ADD -02 ASSY	JDM	9/27/95	





NOTE : LEAVE ONE (RAIL) ASSY (ITEM 1) LOOSE TO FACILITATE ASSY TO SEAT SECTION

QTY	ITEM NO.	QTY	PART NO	DESCRIPTION	MATERIAL	FIN
		1	15	057427-03	RH CHANNEL ASSY	
		1	14	057426-03	LH CHANNEL ASSY	
				062257-02 (3)		
				062257-01 (2)		
				062257		
1	1	13		061865-01	HEADREST & FOOT EXT. LOCK ASS'Y	
		12	1	061865	HEADREST & FOOT EXT. LOCK ASS'Y	
		11	1	061864	HEADREST & FOOT EXT LOCK ASS'Y	
2	2	10	2	301478	RETAINING RING	
	1	9		061864-01	HEADREST & FOOT EXT. LOCK ASS'Y	
2	4	8	4	104206	#8-32 x 3/4 RND. SLOT. HD. MACH. SCR.	(1)
8	8	7	8	053500	#10-32 x 1/2 PHIL. PAN HD. MACH. SCR.	(1)
8	8	6	8	050291-01	T-NUT INSERT #10-32	
	1	5		057427-02	RH CHANNEL	
	1	4		057426-02	LH CHANNEL	
1	1	3	1	062231	LEG SECTION PANEL	SPAULDITE
		2	1	057426-01	L.H. CHANNEL ASS'Y	
		1	1	057427-01	R.H. CHANNEL ASS'Y	

LIST OF MATERIAL

ITEM	NEXT ASSY	USED ON
062257-02	063578	5100B/E
062257-01	062265-01	49006
062257-01	062265-01	49006
062257	061986	4900
062257	061976	4900

APPLICATION

TOLERANCES, U.N.O. FRACTIONS ± 1/32 ANGLES ± ½° DECIMALS .xx ± 0.005, .xxx ± 0.005, .xxx ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN 1-9-90 MKT | CHKD. | ENGR. | APD. MKT 1/1/90 | TOOL NO. | GAGE NO. | MFG DEPT.

Getinge/Castle, Inc.

LEG SECTION ASSEMBLY

SCALE 1/2 | SIZE D | DWG. 062257-03

Figure 15 062257

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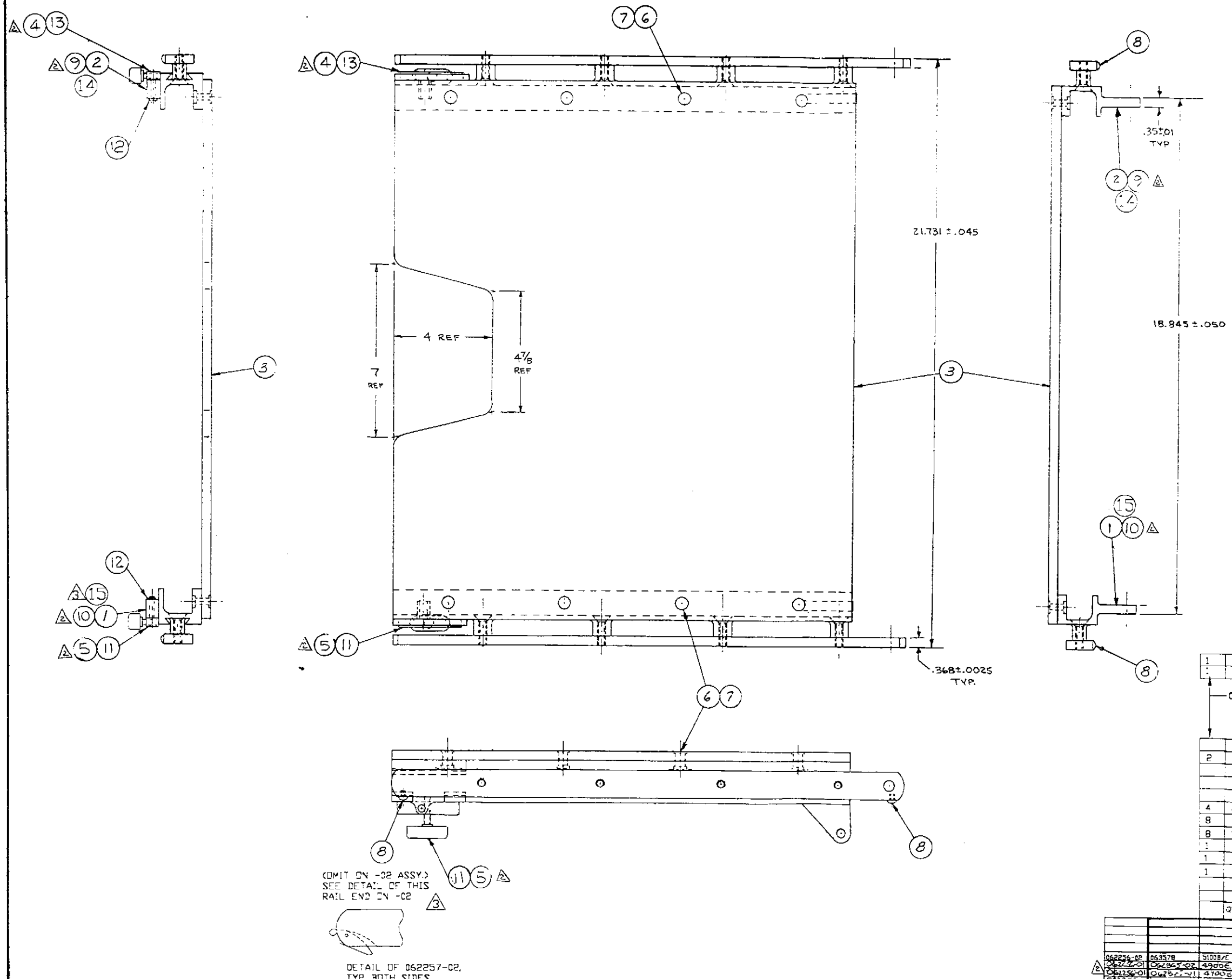
REVISION				
SYM	ECO	DESCRIPTION	BY	DATE
1	15539	REMOVE "CHR" FROM ITEM 7 & 8	[illegible]	3-19-90
2	15814	SEE ECO	GF	7/16/92
3	20185	ADD -02 CONFIG	JDM	4/27/95

NOTE: LEAVE ONE SIDE RAIL (052935) LOOSE TO FACILITATE ASSY TO SEAT SECTION.



		ITEM No.	QTY	PART NO.	DESCRIPTION	MATERIAL	VEN
		15		062054-02	RH CHANNEL ASSY		
		14		062053-02	LH CHANNEL ASSY		
		13	1	061864	HEADREST & FOOT EXT. LOCK ASS'Y		
2	2	12	2	301478	RETAINING RING		
		11	1	061865	HEADREST & FOOT EXT. LOCK ASS'Y		
	1	10		062054-01	RH CHANNEL ASS'Y		
	1	9		062053-01	LH CHANNEL ASS'Y		
4	4	8	4	104206	#8-32 × 3/16 RND.SLOT. HD. MACH. SCR.		
8	8	7	8	053500	#10-32 × 1/2 PHIL. PAN HD. MACH. SCR		
8	8	6	8	050291-01	T-NUT INSERT #10-32		
		5		061865-01	HEADREST & FOOT EXT. LOCK ASS'Y		
1		4		061864-01	HEADREST & FOOT EXT. LOCK ASS'Y		
1	1	3	1	062255	BACK SECTION PANEL	SPAULDITE	
		2	1	062053	L.H. CHANNEL ASS'Y		
		1	1	062054	R.H. CHANNEL ASS'Y		

LIST OF MATERIAL

062256-02	063578	51008/E
062256-01	062865-02	49006
062256-01	062865-01	47005
062256	061986	48012
062256	061996	49006
ITEM	NEXT ASSY.	USED ON

TOLERANCES, U.N.O. FRACTIONS: ± 1/32 ANGLES ± ½° DECIMALS: .xx ± 0.010 .xxx ± 0.005 .xxx ± 0.010

MATERIAL

HEAT TREAT

FINISH

APPLICATION

DRAWN 1-4-90 M2

CHK'D.

ENGR.

APP'D. [illegible]

TOOL NO.

GAGE NO.

NEXT DEPT.

DATE

Getinge/Castle, Inc.

BACK SECTION ASSEMBLY

SCALE NONE

SIZE D

DWG 062256-□

Figure 16 #062256

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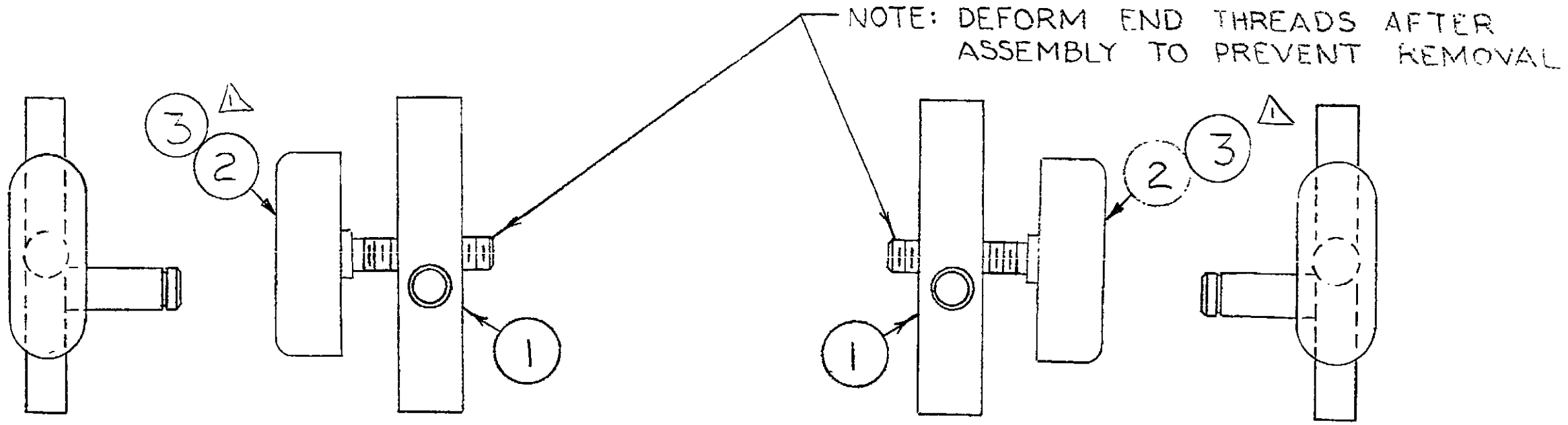

061865
061865-01 ⚠1

061864
061864-01 ⚠1

⚠1										
1	1			3		061863-01	TEE HANDLE		
		1	1	2		061863	TEE HANDLE		
1	1	1	1	1		053170	LOCKING BAR		
061865-01	061864-01	061865	061864						
QTY	QTY	QTY	QTY	ITEM NO.	QTY	PART NO	DESCRIPTION	MATERIAL	FIN

LIST OF MATERIAL

* FOR 061864-01 ⚠1 & 061865-01

SYM	ECO	REVISION	BY	DATE	APP.
⚠1	15814	SEE ECO (ADD-01)	GF	1/13/92	MQT

NEXT ASSY	USED ON
062257-01*	4900B ⚠1
062256-01*	4900B ⚠1
062256	4900;4800
062257	" "

APPLICATION

TOLERANCES, U.N.O.
FRACTIONS ± 1/32 ANGLES ± ½°
DECIMALS xxxx ± 0.0005
xxx ± 0.005
.xx ± 0.010

MATERIAL

HEAT TREAT

FINISH

DRAWN	1-4-89	MQT
CHKD		
ENGR.		
APD.		1/5/90
TOOL NO.		
GAGE NO.		
MFG DEPT		
DATE		

Getinge/Castle, Inc.

HEADREST & FOOT EXT. LOCK ASS'Y

SCALE NONE | SIZE B | DWG 061864-□ 061865-□

Figure 17 061864/65